

caaatgacgt ccnaccacg cgtaaaca ggaattcggc ncaagaagaa aaanntttnc 60
 ttcaaaattt attcatttgc ncattgtngt ttttgctnct ttgtactttt ctttcncgta 120
 ccgaatctgc tcttccttat caccatgaac tggttcttggg gaggaagcgg atgaattatt 180
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 aatgggagga agttgatgag tatatataga cccaatggag acatatttac aggaccatca 300
 ggcagtgggc atgggtggggg tcgcactcca agccccctaa gtatatatat attaattgtgt 360
 aatcaaggac tcacaagcga agctttaatt ctcgattacg tataacgtat gcgttggtgt 420
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<210> 1073
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-A1

<400> 1073

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 aaactgtaga gcttgtgaaa gccaaagggg gaaaagtaag ccgggagcct ggtcctgtca 180
 aaggtggcaa aactgtaata gcattcattg aagatcctga tggttacaaa tttgaactct 240
 tggaaaagagg tcttacacca agaacctctt tgccaagtta tgctccgtgt tgggtgatccg 300
 atagggccat aaagttctat gagaaggctt ttggnatgga acttctgcga acaaagagac 360
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 <211> 483
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 1074

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ancctttnac ttnnccaaaa tcctaacgga atngncncc ncaaaatngg tnctcncnc 120
 tcctgcttng accggaaagg cgnttaanct atccnggng gcctccgang tatttggaac 180
 cggccgaatc acatgcgcaa agcctccaag cccaccggtc catccggcag cccatggtac 240
 ggatccgacc gagtcaagta cttgggtcca ttctccggtg agcctccgag ctacctcact 300
 gggagagttc cccggtgatt acgggtggga cactgccggt ctatccgccg atcccagac 360
 cttcgctang aaccgtgagc tagaaattta tccacaagca agatgggcca tgctccggag 420
 ccctaagctg cgttttccct gagctattgg gctaagaaac ggattgaaat ttccggagaa 480
 acc 483

<210> 1075
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-A3
 <400> 1075

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 attcggctcg agtcttcac aaatcatcag atctaaccag ngtttatcag aagaacactg 120
 tcagtacttc ttgtaccagc tacttcgagg actgaagtat atccactcag ctaacattat 180
 tcatagggat ttaaagccga gcaatcttct gttgaacgcy aattgcygatt taaagatttg 240
 tgatttcggt cttgctagac ctacttcaga gaatgatttt atgactgagt atgttggtac 300
 gagatgggtat agagcacctg agcttctgtt gaactcttca gattacacag ctgctattga 360
 tgtttgcccg ttggttgat ccttaaggag cttatgaata gaaagncntt gttccctggt 420
 aaaagancat gttcatcaaa tgcgcctaata gacaaanttg cctggnacac cgacaggaat 480
 ctga 484

<210> 1076
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-A4

<400> 1076

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cgatttccat ctctatctg tcatcggagc tttctacttc cgaaggagta aaggatcaat 180
caagagtttg atcttggttag aatagccgat aatggaagga gatgtgttgt caggatttgg 240
agacagacac aatatggatg ggaaattggt gcagagtttc cagaagagct ttgtggatgt 300
tcaagacatt ttggaccaa accgattaat tgnttcaacg aagatnaatc agaancatga 360
atcgaacaa ccaagataac ttgggtcnaa acgtgggggt tatnaaaaga gctcaacaac 420
aattatcag 429

<210> 1077

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-07-Q1-B1-A6

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tcgaatcttt agttgatgtt gtttaaaggt ttagctaata aagggcatga aacggatctg 120
ctcggtttca agtgttcaac tttaagtttc agagcttttag catcgccacg ttccttgaac 180
tatcccctgc agtgtatcaa gcgttcatca gttcggatgg agagtagcaa cttttcttct 240
ggtgtcagaa ccgagagtag tgtgaagcca agaggagcat tgatagttct agaaggtctt 300
gatcgacg cgaaatcaac acagtgtgct aagctactct cnttcttgaa tggtttagga 360
catccgaccg agctctggag aatccccgat anagagacna atgtcgtcaa at 412

<210> 1078

<211> 385

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-07-Q1-B1-A7

<400> 1078

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gcaaattcttt tgggctcgaa acttcctcgg ntcgcctcac ttgctccttc nagtctgant 120
ttaaggactt caccggtaaa tgctccgacg ctgtcaaaat cgccggattc gctcttgcca 180
cctctgctct cgctcgtctcg ggagcaagtg cggagggagc tccaaagaga ttgacctatg 240
atgagattca gagcaagaca tacatggaag tgaaaggaac tggaacggct aaccagtgcc 300
ctactaattg acggtggctc ctgagacttc tcgttcaaaa ccgggaaagt atgcaagaaa 360
agaagttctg cttcgaacct anttc 385

<210> 1079
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-07-Q1-B1-B3

<400> 1079

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cgcangaaat gggccattgg gagaggccga ggacttgctt taccgccgtg gcagcttcga 180
cccattgggt ttggctaccg acccagaggc attcgctgag ttgaangtga angagctcaa 240
naacggaana ttggctatgt tctctatgtt tggattcttc cgntcaaagc catcgtcact 300
gggtaaangg aaccgataga naaaccttgc tgaccaattg ggccgatnca gttaacaaca 360
acgnattggg ccttcgcanc aaaantttgt ttcccggaaa agtgaacca agttttaacc 420
tgtaattttg gcn 433

<210> 1080
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-07-Q1-B1-B7

<400> 1080

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caaacgcact ctcgtctttc accgccgcta atcccgtctt gtctcctaag ccactactcc 120
 ctcacgggtc tgctttctcg tcggttttct tcggctttct caggaaagt ggcgggcgga 180
 gagcagtggc cgttgcanag gctacgggtg acacaaaca natgccnatg accgnagtcg 240
 tgttccagcc tttcgaanag gtgaagaaag ccgatctggg ccattccant cacatctcat 300
 gnctctctcg ctcgcaagaa gtttgccgaa gctanchang nantcaatan tgaacaantc 360
 aatgtnngat acaacgtctc cnaagttgtn cagncaatgt taggcataacc ttggc 415

<210> 1081
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-07-Q1-B1-C1
 <400> 1081

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 aacctagctt cacaagaacc aaaccagttt caactactca agtaccacaa aggagctctt 180
 ctctccggca aaatctccgt taacctaata tggtacggca aattcaaacc atctcaaaga 240
 gcaatcatct ccgacttcat tacctcactc acacacactt ctctacgtc caaaactctc 300
 caacaaccat ctgttgccac gtggtggaaa aacacaagaa aaatactaca aactccgcaa 360
 caaccaagca aaaactcatt aactccgtc tcctaactcc tcgggaaaca aatcatccga 420
 cgag 424

<210> 1082
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 1082

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caagaacctt gtgaagaagt gccttgagct cttctttgag attgctgana acaaggaaga 180
 ctacaacaag ttctacgagg ctttctctaa gaacctgaag ctcggtatcc atgaggactc 240
 ccagaacaga accaanattg ctgagttgct ccggtaccac tcaaccaaga gcggtgatga 300
 attgactagt ctcaaggact acgtgacaag gatgaaggaa ggtcagaacg atatcttcta 360
 catcactggt gaagaacaag aaggctgttt gaagaactct ccattccttt gaagaaagct 420
 caagaaagaa aaggatttga ttttc 445

<210> 1083
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-022-Q1-B1-G11
 <400> 1083

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 tcatctctcg attaagaacc tctctttctt ctgctctaga tatttacttc cccttcgctg 120
 gtcgtcttaa caaagttgaa aatcatgaag acgaaacggt gtcgttttac atcaattgtg 180
 acggctctgg tgctaaattc atccatgccg tatccgattc tgtttcggta agcgatcttc 240
 ttcgacctga tggtctgtgt cctgactttt tcaggatttt ctatcccatg aacgggtgtca 300
 aaagcatcga cggcctctcg gagcccttgc ttgctttaca agttaccgag atgagagatg 360
 gaggtttcat cgggttttgg tacaatcaca tggtcgcaga cggtgcttcc atctggaat 419

<210> 1084
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-022-Q1-B1-G12
 <400> 1084

acattcaagt tcatgggtca cattcaggag ctgtgaagat ggctgttatg gaccagcaag 60
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 agatgttgcg gttgattgct acgatattga aagatgtcgg tccatgttcg atgttttata 180
 ttgctgctgc tgtatctgac ttctatgtgc catggttaag catgacagag cacaaaatag 240

cgtagatgga gagccacaac gggcgcaaga aggtataatc cctaaaagct cctaacgacg 360
ctccttcaaa cgatttgccg gcggaacg caacanntcc gggggacaac gggcgacaaa 420
agtcctttgc caacgaaccg ctcttggtg ca 452

<210> 1087
<211> 429
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-022-Q1-B1-G9
<400> 1087

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tggaagagct ctctgtacca tcatttccca aaactttntt gaannancag actccagcta 120
aagtagagaa ttgcctgaa cttcatccaa aatccagaaa gaaaaaccta tcattcacca 180
agaagaaaga acccaatata attcccgacg agcaattcga ttacttgtgt agaaacggna 240
gtttgctcga agctgagaaa gctctggact cgttgtttca acaagggttc aaggtaaaac 300
gaagcactta cctcaaattg ntggaatcgt gtattganc tggttctatc catttggtc 360
gtatccttca tgctcggttt gggttggtta ctgaacntga cgtcgttggtg gaaacgaagc 420
ctgttganc 429

<210> 1088
<211> 461
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-022-Q1-B1-F4
<400> 1088

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atgtcttcaa ccgtaacatt tgccggtaaa ataccgcga tcacgtgtt tggcgactct 120
tccgttgatg ccgggaacaa caactatata ccaactgttg ctagaagcaa ctttgagcca 180
tatggacggg actttgttgg tggaaagccg accggacggt tttgtaacgg aaagattgcy 240
acggatttta tgtccgaagc cttagggtt aaaccaatca ttccggcgta cttgggatcc 300

ttccggcttt acaagagtgg agtttacact gantagtcac tgtggaagta ctccaatgga 360
 tgttgaccac gcggttttgg cgttggtta tggaatttga aganggggggt accnaattng 420
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<210> 1091
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-023-Q1-B1-A1
 <400> 1091

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 ttttttttta taaggattcg atgaagaaat tgagaagcta ttactcaa atgtgagannnn 180
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 ggatattttt cctctatttg attgggtcaa tctcgttg ttcctaactc ctcctcacia 300
 caaacctaac ttttaacaaa ccggaggagg tcccgaattc ccccttttaa ccgaaccggt 360
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 atct 424

<210> 1092
 <211> 503
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-023-Q1-B1-A11
 <400> 1092

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 ctttctatg cctcctggaa actacatggg atctggttat cctgctatgc gaggtcatcc 180
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 cgaagggtcca gaagggtgcaa atctgtttat ctataacata cctcgggagt tcggggatca 360

agaactcgcg gctgcatttc aatctttcgg tattgttctg agtgccaagg tttttgtaga 420
 caaagccact ggtgtaagca aatgtttcgg ttttgtagc tatgactcac aagccgcggg 480
 gcagaacgct attgacatga tga 503

<210> 1093
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-023-Q1-B1-A2
 <400> 1093

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 taggttacag gcgcaaacgg aagctgttaa tcttctttgc ggagccaaaa cccagtcgaa 180
 tccggagaat acggtgggga ttttgacaat ggctggcaaa ggagttagag tatttgacta 240
 actccctaac ctctgatctc tggnaaaatt cctgggcctg gtaatgcaag ggcttgatgt 300
 nggaaggaga aattaactta accgcaacta tccanattgc ccaactaact cctaagcatc 360
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<210> 1094
 <211> 508
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-023-Q1-B1-A4
 <400> 1094

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 tgcatataag gccncctgga agttactcaa gggtgctgat ggcgttcttg tgccgggagg 180
 ttttggcagt agaggtgtag aaggaaagat gctggcagcg aaatacgcca gagaaaacag 240
 aattccatac cttggtatct gtctaggtat gcaactcgct gtgatcgagt atgcaagaac 300
 catactcggg ttggcagatg caaattagca ctgaactttg atccaaacac caaaaaaccc 360

cctgttggtta attttcaatn cctgaagggg tccnaaaacc catatgggaa ngcactattg 420
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 actatatggg aaacaaaagt ttttggtta 508

<210> 1095
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-023-Q1-B1-A5
 <400> 1095

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 taggcaactt cacacaagac aagatatatc aaccatcaac gtgcttcac ccttccgcct 300
 ttaaaggaaa atngtaaccg ccaaggcaat gactccggtta angccaatcc ggaagtgtcc 360
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<210> 1096
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-023-Q1-B1-B1
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 tctgcaactt gagcgcatca acgtttacta caatgaagcg agttgcggtta gattcgttcc 180
 tcgtgcagtg ctcatggatt tggagcctgg gactatggat agtctcagat ctggaccgta 240
 cggtcagacc ttctgacctg ataacttcgt ctttggccaa tccggtgctg gtaacaactg 300
 ggccaaggga cactacacgg gnaggagctg aactaatcga ttccgttctc gatgttggtc 360

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agaagaactg g 431

<210> 1097
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-022-Q1-B1-B12

<400> 1097

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gcttcttaca tcatcaaate acttctcgaa ctggacaca ccgttcgaac aactgtccga 180
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ctaaagattc tccaagctga tctaacggta gaaggaagtt ttgatgaagc agtgaatggt 300
gttgatggag tattccacac tgcttctcct gttcttggtc cacaggatna taacattcag 360
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tctaaa 426

<210> 1098
<211> 87
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-022-Q1-B1-B4

<400> 1098

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nnnnnnnnnn nnnnnnnnnn nnnnnnn 87

<210> 1099
<211> 528
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-022-Q1-B1-B9

<400> 1099

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tttgctaaca aaccttnggc cccaaggggt ccaaaggtct tgattgaatt ccaacctttn 480
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<210> 1100

<211> 519

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-022-Q1-B1-C1

<400> 1100

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aagatgggga acacaagaaa gagcctttca tcttccgcaa cccttttggt aaagttccag 240
cctttgaaga tggagacttc aagcttttcg aatcaagagc aatcactcaa tacatagctc 300
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tgggagcaag tcttaaagcc tttgtatggg atgaccacag acaaaaaccgt tgttgaagaa 480
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<210> 1101

<211> 431

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-022-Q1-B1-C10

 <400> 1101

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnt 180
 gggcatttta gggtttctca aatttttgac gctttctctt aaaagggttg acgaaataac 240
 cctttaaggg aaaaaacaaa ggttgaggaa gaccaccaag gtgaaaaaag aaagaagaat 300
 tcgaacaaca gcagcaacaa gataaagtta cgaatttttc ctcttttgta acctttgttt 360
 ctcttcttcc tcttcctcca tttttttcca ttaaagattc tgcctttggg ttccaatttc 420
 gtenttcctt t 431

<210> 1102
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-022-Q1-B1-B1

 <400> 1102

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 tccgtgatca ttgcggcacc atgacagaat ctgttggtcg caattttact cgtcacattt 120
 tgtctgggct ggcttatttg cacaataaaa agactgtaca tagggatatc aaagggtgcta 180
 atctccttgt tgatgcttct ggggttggtca agcttgctga tttcggcatg gctaaacacc 240
 ttactggaca aagagctgat ctctcgtaa agggaagccc gtactggatg gcaccagagc 300
 tcatgcaagc tgtgatgcaa aaagatagca acccagatct ggcttttgct gttgatatat 360
 gggagtttag gatgtacaat cattgagatg ttcactggga agcctccctt ggagtgaatt 420
 tgaaagggct gcanctat 438

<210> 1103
 <211> 438

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<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: ARABL1-022-Q1-B1-C7

<400>      1103

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tgtgtcacia ctccagtttc tttttgtatt ttgttgtttt tttcaciaat tgagattggt   120
gtttcctata aggttttggt ttattctatt tatggaagtc tcttgatttc gcttttataa   180
cctcaaaaag catctttctt gatagcacca agtatgattt gatcatcaaa agggtttgga   240
tttgacaggt ctctatttta ggtttgtttt tgggttagaa gttaaaacca anataaaatc   300
ttaacttttg ggaaatggga tctgttaact ggggttttac tcaaataag tggtggaatt   360
aanatcctaa atgggttggt gatcccaaca atccctttgt tgggtccaaa gaattggtga   420
anggtgctca agccaaaa                                     438

<210>      1104
<211>      395
<212>      DNA
<213>      Arabidopsis thaliana

<223>      Clone ID: ARABL1-022-Q1-B1-D10

<400>      1104

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gggacgcagc tgtggagttg gtggtcaatg ctggtgatcc aaaagcttct tctttacctc   120
gtaatgattg gtacagacta cgccgtagcc tcgagatact caagtcaact ggatcgcttc   180
cgtcttcctt tcgcattcct tatgattcct ttcgagtaaa tttagttgct cctgatgctg   240
atgacttcct tgaggacggt tcatctgccg atatctctat ccaaaacata gagacagatt   300
tggaactatga ctttctttgt tttttcttgt caagcccacg ggttgctctc tacagatcta   360
ttgatttcag atgtgaagac atgctttcaa gaccc                                     395

<210>      1105
<211>      417
<212>      DNA
<213>      Arabidopsis thaliana

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<223> unsure at all n locations
<223> Clone ID: ARABL1-022-Q1-B1-D12

<400> 1105

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aatccaatcc atcgccaccg ttattcgcca aagtctccgt ctttcgatgc agagcttccg 120
tacaaaccct cgtcgccgtt gagccggagc cagttttcgt ctccgtcaag acttttgccg 180
cagccaccgt cgctaatttg ggaccagggt ttgatttctt aggatgtgcc gtcgatggtc 240
tcggagacca tgtgactctc cgtgtagatc cctctgtacg agccggtgag gtctcaatct 300
cggagatnac cggaaccaca acaaaactca agcacgaacc ctctccggaa ctgcgccgga 360
atcgctgcta ttgctacgat gaagatgtta gggatcagat tggttgggta ncaataa 417

<210> 1106
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-022-Q1-B1-D2

<400> 1106

ggtgggtcct aagaaggaga gactggacat taaagcagcc ttgtcaaatt cattcggggt 60
tggtgggtcat aactccagca tcatttttgc tccttacaag tgaaagcgaa agcagttgct 120
tgtactccaa acctgattgt ataacttgct gtaagtgttt tacaagaagt ttcccatggt 180
atgctagtgt tacgtcgagg gaatcaacag agtttgttca actaccaaga gctaagctaa 240
gtttcttagg atcaagatct gatgagccaa agacttggac aggagctaaa acgtgctaga 300
gatatcagag ttgggattcc ccaattaaaa ttccggtttc ctgtgatacc ttcntaatg 360
ggaatccttg tantccttac aattccaatg gttaacatga aatcctcaaa aaaatgccaa 420
atcaaattcc tcaantttta aattt 445

<210> 1107
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-022-Q1-B1-D8

<400> 1107

ttcaaacttg tacggactaa gaccagactc tctctgacgt tgtcagatct gcgacctgct 60
agcgagagga tgcgagagga aactgtgggt tacgagcagg aggagtctgt ttctcacggc 120
gggggcaagc acaggatcct tgcagagctt gcccgcggtg aacaggaagt cgctttcttg 180
gagaaagagt tgaaggaggt cgagaacaca gatattgtat caaccgtgtg tgaggagctg 240
ctatctgtca tcgagaaagg acccgatcct ctgttgccac taaccaatgg gacctttgaa 300
cttaggatgg gaccggtggg ttgaaggacc aaatggagga gaanggtgca gatgcttaat 360
actttgattc gctaagacag aagtaatgtg ttacatatac tantttcctg ccaaggatat 420
canttt 426

<210> 1108

<211> 86

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-022-Q1-B1-E10

<400> 1108

cgcgatctat aactagttga attttggtcg ttacttnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnn 86

<210> 1109

<211> 451

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-022-Q1-B1-E6

<400> 1109

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actgctggtg acacccatct tgggtgggaa gattttgaca anagaatggt taaccacttt 120
gtccaagagt tcaagaggaa gagtaagaag gatatcacgg gtaaccaag agctcttagg 180
aggttgagaa cttctctgta gagagcgaag aggactcttt cttccactgc tcagaccacc 240
atcgagattg actctctata cgagggtatc gacttctact ccaccatcac ccgtgctaga 300

tttgaggagc tcaacatgga tccttcaagg aantgttatg ganccanttt gagaaattgt 360
cctccgtgat gcctaagatg ggacaaagan caactgttca atgatgtttg tcccttgntg 420
ggtgggttca acccgatatcc cttaaagggtc a 451

<210> 1110
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-022-Q1-B1-E7

<400> 1110

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cattcgngga tgcntcttca gatttaatgg aagctccagc atatcaaaac ggtcttgatt 120
gctctgtttt agccaaaaac agactcttgt tagcttgtga tccatcagct gttcatatag 180
ctatgactct agatccagct tacttgctg gcacggatc tgcagtacat tccatcctca 240
aacacacttc ttgccngaa aacatcttct tccacttcat tgcttcgggt anaagtcagg 300
gttcctcgcc aagacccta tctctgttt tcttctttg agttcaaagt ctataccttt 360
gaaagaancc acggtcaaga atcctaatacc tcttcttcn 400

<210> 1111
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-022-Q1-B1-F1

<400> 1111

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cagaggtttc tacttattat ttccacttct catctcttcc aatcgcaatc tgagttctgg 120
ctaaagattt tgtcttgaag gtgagattca ttgttccgaa tagagtgaga aaaagactta 180
taagattgaa aaagcaagat gcggattttg tgcgatgctt gcgagaacgc agccgcaatc 240
atcttttgcg ccgccgatga agctgccctt tgcgcccct gcgatgaaaa agttcatatg 300
tgcaacaagc tagctagtcc ggcaagtang tgttggttta nctgaaccaa gcaatgcccc 360

aagctgtgat atatgcgaaa atgcaacctg ccttcnttta ctgtgagata gacggtaatt 420
ctctt 425

<210> 1112
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-022-Q1-B1-F2

<400> 1112

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gtagcagcag taatggctcc ttcaagcgtc gtaggggtt actctaccgc tacctctcct 120
tctccttctg aaatttccgt caagaaagtt ggtactcata atggaagctt tctactgagc 180
gaagctctcg gctgtttcat gattcgctc gtcgataaat tctccggcgc tgatattcgc 240
cgttctcgtg accctaagat attggcagaa cttgatgcag tgcttgatgt tggaggtgtt 300
tatgatccgg agcatgaccg ttatgatcat caccaagaaa ggttttgaag aagtttttgg 360
gacatggctt caacactaag ctcaagtagt gctggctctg ttacaagca ttttggnaa 420
gagatatagc taaaggaact taatgt 446

<210> 1113
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-021-Q1-B1-G6

<400> 1113

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tcttattagg cctatcctga agccaaagga aatgagatcg gaattcctcg gggaattcca 120
attccacatt ttcaagaaat aaggaggcan aaatgttcat atatgaattg gnattatttg 180
ttttcttatt aggccatcc tgaagccaan ggaaatgaga tcggaattcc tcggggaatt 240
ccaattccac attttcaaga aataaggagg caanaatgtt catatatgaa ttggaattat 300
ttgttttctt attangccta tcctgaagcc aaaggaaatg agatcggaat tcctcggggg 360

taccgagctc gaattcccta tantgagtcg tataaattcc gtaatc 406

<210> 1114
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-021-Q1-B1-G9
 <400> 1114

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 ttatgttgggt ttctggattc tcaagaaatt gcttagcaga ggatactctg ttcacgcagc 120
 gattcgtaga aacggggaga gtgaaattga ggagatgac agagagatgg aaacaacaga 180
 agagagatta gtggtgtacg atgtanatgt gttggnntat caaagcatac ttgtctctct 240
 caagacatgt aacgttgtct tctgttgcnt anacagccct gaagggtacn atgagaaagg 300
 aggtggattt tggaantgan aaggagcnga ttaaattggtg ggtgggaacc gtttgnaag 360
 aaacaagaga gtatanaana aagaattggn ttttccatcc ttcaattanc aagcnttcaa 420
 ntttgagaa gacaacattg ggaac 445

<210> 1115
 <211> 335
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-021-Q1-B1-H1
 <400> 1115

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 ctcagaaccc ttttgtcctc ttttgttcc cgcaacgcct cttactccac cggattccag 120
 aacgtcacgg tgggacaaac ccccgacctg gtcaccggac ttttctctg ccgcggagac 180
 ctctcgccgg aagtttgcag taactgcgtt gccttctccg ttgacgaagc gttaactagg 240
 tgtccaagtc aagagagaag ctgtgttcta attacgagga gtgtatactc aagatactcc 300
 tgacaaagat aatctancgg acggggcatt aaaaa 335

<210> 1116
 <211> 485
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: ARABL1-021-Q1-B1-G5.

<400> 1116

aattatttag tcagccatag aagactaaga cgtcgcatgc acgcgtacgt aagctcggaa 60
 ttcggctcga gggtttccata atgatagtct gattgggttct ggtgggtttg gagatgttta 120
 caaagcgatt ttgaaagatg gaagcgcggt ggctatcaag aaactgattc atgttagcgg 180
 tcaaggtgat agagagttca tggcggagat ggaaccatt gggaagatca aacatcgaaa 240
 tcttgtgcct cttcttggtt attgcaaagt tggagacgag cggcttcttg tgtatgagtt 300
 tatgaagtat ggaagtttag aagatgtttt gcacgacccc aagaaagctg gggtgaaact 360
 aaactggtcc acacggcgga agattgcatg aggatcagct agagggttg ctttccttca 420
 ccacaactgc agtcgcgata tcatccacag agacatgaaa tccaataatg tgttgccctga 480
 tgaaa 485

<210> 1117
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-021-Q1-B1-H10

<400> 1117

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 ctgggaaagg aaagagacct ggtaaagggtg gaaaccgttt ctggaagaac attgggtttgg 120
 gtttcaagac tcctcgtgaa gccattgatg gagcttacat tgacagtaaa tgtccattca 180
 ctggaaccgt ttctatcaga ggacgtatct tagctggtac ttgccacagt gccaagatgc 240
 agagaaccat cattgttcgt aggaattacc ttcactttgt gaagaagtat caacgatatg 300
 agaagagaca ttccaacatc cctgcccattg tctcaccgtg tttccgtgtc aaggaagggtg 360
 accaagtcatt cattgggcca atgcangccg ttgtcnaaga cggttangtt caatgtgctg 420
 aaagggtgatt ccaaccgggt gcatctgncc tttggtaaaa 460

<210> 1118
 <211> 518
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-021-Q1-B1-H12

<400> 1118

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 aattcggctc gagcattgac gcaggtgaag aatctacaga agataaacgc nanggaatca 120
 gatttaggaa tatctgatga agcttcattg cagcctaagt acaaaaactc tgcatatgtc 180
 tacgtcggag gcataccgtt cgatctcacc gaagatatgg tgaaattggt gatgtcaatc 240
 ttattcgaga caagggaacg ggtaaatcta aagggtttgc ttttcttgct tatgaagatc 300
 atgagaagta ccattcttgc tgttgataat ctgaatggac ctcttggtgt gggacggacc 360
 attaattgtg gancantgtg ggggcataca acaagcacna aganggagga tgaagaaaac 420
 ccgaccccag aatagaaaag gcccttggtt tancaaaaanc tttcaaanaa ggaaaatttn 480
 acccttggtg aatccttcaa attttccaca atgaaaaa 518

<210> 1119
 <211> 488
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-021-Q1-B1-H3

<400> 1119

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 attcggctcg agacctccca gacctcgtg acgatcttca ccgaggattc atctgggagt 120
 ttaatttccg tgacttcgac gtggcgctg acgcacacgc gcctgattcg atcgagttgc 180
 ttcgtcggca aggtatcgat tttgagcggg attgtcgcga cgggtgtgag tcggagaggt 240
 ttgcggagct gatgatgtcg tcggggcttg tttgtaatga ggaagtgagc tgggtgacgt 300
 ttcatagcgc gtatgatttc ggttacttga tgaagattct cacgcgccga gaattgcccc 360
 gcgcgttggg ggagtttaag cgcgtgatga gagtgttgtt tggggagcgt gtgtatgatg 420

tgaagcatat gatgaagttt tgtgaaanga gattgtttgg tggtttggga cggggttgca 480
aaggaccc 488

<210> 1120
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-021-Q1-B1-H4

<400> 1120

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cgagagagga gagacggaca tggaaggagg aactgcgcac tacagccctc gaactgtcga 120
agaagtcttt cgagatttta agggccgtcg agctggcatc atccaagctc tcaccactga 180
tgtggaagat tttttccagc aatgcgaccc tgagaagcag aatctctgct tgtatggatt 240
cccaaataaa gtgtgggaag ttaacttacc agctgaagaa gtgcctcctg agcttcccga 300
acctgcactc ggcattaact ttgccaagag atgggatgca ggaaagaaac tggctttctc 360
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t 421

<210> 1121
<211> 344
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-021-Q1-B1-H5

<400> 1121

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cgccggtggt gtgaaatgca cggcgtttga aagcataaag cctttgatcg aactctccgg 120
cggtgagtgg tggcaacagc ctgggattca gagcatgttc gagatcaccg attgcgttaa 180
agacgggaat ttcattgagta cggttggttg gccaacgctt gggtcacggca ttaagctttt 240
gcttgaatct cttggtggca aagtctgtag cttggagaag aagcaagctt ctgtgctttt 300
cctcattggg gactatgtan aagattatgg gatnaatgta ccgt 344

<210> 1122
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-021-Q1-B1-H9

<400> 1122

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnt gttcagaaga acaaacatgg ttcctccttc ttcgaacaag 180
 aagattccgt cagttctcgt ttcaaccgtt tgtttgatcg ccagaagcca attcatcatg 240
 tcttaggcgg tggcaaactt gctgatgtgt tgttatggag gaacaaagaa agattccctg 300
 caagtggttt tgatggggaa gcctaaccgc aattttgggg tggctttttg aatnggttaa 360
 attttcaatt tctgtcccc cgggtttgcc aaagcccctc cttggcnttg ggaatgaatt 420
 gcacaaattt cgttttggtc c 441

<210> 1123
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-022-Q1-B1-A10

<400> 1123

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 nnnnnntggt gtgtttcaga tctcaaagag tgtttatact tgtgtctctg tgtttactct 120
 cttcgtttct tgtggtcgtc actggaacaa catcgattac tggggttggt aacgaagaag 180
 aaagaggtgt agaagaagaa tggagaacaa gtgtaataga aagagtaatt gcagaggaaa 240
 gtggagagaa ctcatctctg attttagctg caaagagaac aagaagaaaa gatcctgctg 300
 ataatttcaa actctacact ggtggatgga atataagcaa ttcccattat ttgacttctg 360
 ttggttatac agcggcgctt ttcattataa tagcactagt ctgggttggtg ttctttgggc 420
 tatcattgtc tctgatt 437

<212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-022-Q1-B1-A7

<400> 1126

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 attgaagtca tgtgtgagcg tgttgagttc ttacagaagc tagggttaac gattgacnat 120
 atnaatgagt atcctttgat gttangttgt aatgtgcgta agaatttgat tcctgtcntg 180
 gcttacttag ngaaaattgg aatctcgaga tcgaaattag gatantttgt taagaactat 240
 cctcagggtc tacacgccag tgttggnctgt tgaaccttgc tcctgtgggt aagtttcctn 300
 agangacncc atntggagaa ncaagatttg gggtaaagtn ttgatgantt atcctgaacc 360
 tgccaagggt ttaaancc 378

<210> 1127
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: ARABL1-022-Q1-B1-A8

<400> 1127

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 ggtctgcatg atgatacacc tgatccgtta gcaatcctgg accaaaatgc actagctttg 180
 gccttagttt ccaatgatgt tgattcttcg ccgttttagtt ttgggcaagc aagagatttg 240
 gatccgtcag gatgggagct tgcgttggtc acaacaccta gcaatgatat atctgcagcc 300
 acagagagac agctggcggg tgggattaga cacgctcaac ctgaacagtc tatatgacga 360
 tggagccttg agagcagccc aacagcctgc ctaagggcgt ccaacttcaa tcccgtttga 420
 ggtccaaaga cctgttt 437

<210> 1128
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-02-Q1-E1-H11

<400> 1128

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caaaatgttt tttaacagtt tgtcaccggt aaaaagaaag gagagcctcc gattttctta 180
ctccccaata cattcttcac caagaagttt ccatctcgac tcattcttct tgctctgttt 240
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ctgcgcaaaa cacgttgaaa tgcagttcaa gganttgcca cattctcttg caatgcacgc 360
aacctcctgg naactcttag cttaaagcct gcnaaaatgc cg 402

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<210> 1129
<211> 380
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-02-Q1-E1-H5

<400> 1129

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnc aagtaaaaac aaatagaacc attaataata cagtactcac 180
actcacaacg acaacgtacg ttctcgttta ttantcnatc canatatata cgccaaagta 240
aatactaaca aaacgacatc gtccattan cgcgaagcaa ttaagaactt tgtttcctcn 300
naaggggcac ttgcggctcc accgtggggg tggtgagggc tagccgtaac cacngggcan 360
tttgccgta attttccgna 380

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<210> 1130
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-020-Q1-B1-A11

<400> 1130

tgattttggg gatatggttc tgcacgattc tgaccaagt ttgaggacat tcttccgctc 360
atgtcttaac cgtgagt 377

<210> 1133
<211> 522
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-020-Q1-B1-A3

<400> 1133

atgaattttg tgatncccta ggccactann aacgtcaana tgcacgcgta cgtaagctcg 60
gaattcggct cgagccataa cagacaccac acatgtgaaa tctgagactg gctctccaag 120
acattcatcc tctgctaaaa tggatgaaac taatggccgg gaggaaaaat cagagaagga 180
actgaatgat gatggtgaat atttgattag accttatctt gagcatcttg aaaagattcg 240
gttcagatac aactgtgaga gagttgttga tctcgacaag catgatggaa tcttcttaat 300
aggggaattc tgtctgtatg tgatagaaaa cttttacatt gacgaagatg ggtgtatttg 360
tgagaaggaa tgcnaanatt aagttaccg ttaattgatn aaacnttggg tgtgaaaaaa 420
natgtctctg ggnaactccg gnttccattc caagtttaac acannatggg cctacaacaa 480
ttgaaaacaa ggaccanttg ggggaaaaan catgggcata tg 522

<210> 1134
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-020-Q1-B1-A4

<400> 1134

aggtttgatt gaacaagctt atgacaatcc tcatgaagct ctatcacgaa taaaacgtca 60
tcttctcacc caacgaggct ttaaagaggt tggcatagaa tttatggatc tttatagcta 120
cttgattcca gtttatgaaa tagagcctct agagaaaatt accgatgcat atcttgatca 180
atacttgtgg tacgaagggtg acaagcgtca cttgtttcca aactggatta agccagcaga 240
ctcagagccg cccccacttc tggtttataa atgggtgtcaa ggtatcaaca atttgcaagg 300

ttcttttgaga aaaatcnaat tgacaatggt gaacaagctt cctcnntttg gttcctgacc 420
 acatatttca aactaagtgt cccgccaa 448

<210> 1135
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-020-Q1-B1-A7
 <400> 1135

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 gtggcacaag attttccaca agcgaatgcc acctgaagca gtagacctcg tctcaagact 120
 ccttcagtac tcaccaaacc ttcggtgcac tgcattggaa gcttgtgcac accccttctt 180
 tgatgactta cgggatccaa atgtttcact gccaaatgga agagcactgc ctccattggt 240
 taacttcact gcccaagaac ttgcggtgac atcaacagag ctgcgacagc gtctaattcc 300
 aagcacattg ccaggggaacg ggaagtaant ccttaaggat tatttatnnc gtgtccaaaa 360
 tccaagcttt cctnctcncc ctggaattta cggcagtgtt taaac 405

<210> 1136
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-020-Q1-B1-A9
 <400> 1136

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 gaagctcttg caggggattt cagcagtttt ggtcctggga gtgttggtat tatcactaca 120
 gacaacaagg ggttggtgaa ttcttatggt ataacagatg tctacgaagt tgagcatttg 180
 aagttttgtg gaatcttacg atcattgggc tttaaaaaga gagctgctgc gttccagcgg 240
 gctttgtgta gagcaaagag ttttgccacg gaatgttttt gttgtcaaag tagtagtata 300
 tccggttatg ggaaagtgac agatttagtt taattaagtt gaatccctta ttaagtcata 360

tgcatthaagt taagtaaact taataanttg tgtgg

395

<210> 1137
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-020-Q1-B1-B2
 <400> 1137

gtttgtaccc tgaggtggac cgcctcttaa acccggaaca cgtccctcac atgctacaca 60
 agtgtcctga ctgatccct gacccaaagg cgggtccagta cgtgcgtaac gaccgtggca 120
 ccccatggt gctagacaac aattactacc gtaacatcct agacaacaag ggtttgctcc 180
 ttgtggacca tcagctcgca cagacaaac gaaccagacc aatcgtaag aagatggcta 240
 aggaccaggc ctacttcttc aaggagttca ctaaggcaat ccaagattct aaccgagaaa 300
 aaaccctttg actgggtcct aaagggttaa gattaaggna ncaatgttat ctcccaaaca 360
 agaancaatt gaagttgna aaagttanaa anaaangggc ncngngtgt ttaanttccc 420
 ggcntgggac naaacaacaaa ttaa 444

<210> 1138
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-020-Q1-B1-B3
 <400> 1138

gagagataat ggatctcatg aacgacaaca gcaacaattc acaagacggc gatcatcaga 60
 actaccgtgt cggcgataat ggattggaat cgaagaagga agctatcttc cctagctatg 120
 attccaacc tatgcgcct aatgcctccg ccggattgtc tcaccacgct ttagatctcg 180
 ccggatctgt taattccacg gctgctaggg tttgggatgc gtctgacatc aaaccggttt 240
 cagcttcttc cgcaagaagt tatggctcta tggactctct cgaaccttca aagttgtttg 300
 ctgagaagga tcgaaattcc cccgagtcag cgattatata tgcgattgat nggacaatga 360
 aggccatgct gataaattgt tacatgttat gggaaggggt caatgcactc taacgcaact 420

ggagaacaan aacccgagat ttcg

444

<210> 1139
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-020-Q1-B1-B8

<400> 1139

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gcacagggca gccaaagacgg /aacaacttgt gtggagcgta tcaactcggc caaccgaatc 120
ttcaacaaca ggctcatatc tatgggtccaa caactaaaca acgctcattc cgatgctagt 180
ttcacttaca tcaatgctta tggcgctttt caggatataa tcgccaatcc ctctgcttat 240
gggtttacga atacgaacac tgcgtgtttg cggaattgga aggaacngga ggtcagctaa 300
catgttaacc gggaagaacc cccgttgctt gaaccgaaat aattactttt tttgggatgc 360
aattcaancc tttcgntgc tgcaaacacg ggcaattgca aaaagatttt acaatgcaca 420
aaagn 425

<210> 1140
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-020-Q1-B1-C1

<400> 1140

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ggtttgggct gtgttgaaaa ttgagcttan ggttttatgt aacagttgtc ttagctcata 120
gttacggtta aaaagctctc aactttgtct ccctaatgat aattgaattc aatcttggtt 180
atgatttttc tctattgggt cgatctttan ctgaatctat ctacataaag atncaaccgt 240
tttaagaatc ttagggttcc taacatcttg ttcaaaacta agattctgtt ttttgngtg 300
gganatnatt taanatatgg nanctactca agaanacata tnantcaaag aaggatctca 360
aaaggtttac caacaacaat cttcaagtcc aaacaaangg gacccttccg gncaaacatt 420

tgantcccta acg

433

<210> 1141
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-020-Q1-B1-C11

<400> 1141

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cacttcactc aactcttate ggaccttcca aactatatcc ttcaatggat ctatggactc 120
ttcaattaaa agacgtcacg atccgaaacc ctatcttctc atcatcgatc cctgagaaat 180
catcgctggt ttctaggaaa ctttgtgaat tggagtttag gtttctcaat cgtaagggtt 240
ctgcttctcc gtatcgttcc ttggttggtc gagctacctc gaagaagagt aacgangatt 300
cttcttctcc tgggagatgc ttctcaggaa acaaacctt ctaacggnaa caagtccggc 360
gattccgcgg ctccgaaatc gttcggttta aaaaacggat tgg 403

<210> 1142
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-020-Q1-B1-C2

<400> 1142

gagggggttt ctgcatatag atgaatatcc tctgatgct aatcaaggat tcgacattcc 60
atcggttttg ataagcttcc ccgatcatca tgctanntna gatttccaag aagagctcan 120
caactcgccc ttattatcaa gtttaaagga aaaatcctta gnacgctctt acacagaagt 180
attgctcgta cctttgacaa cccctgattt tagcatgcct tacaacgtaa tcacgatcac 240
atgcaccatc ttgcattgt attttgatc antgctaaat gttctacgta gacgaattgg 300
tgaanangaa aagggttctc aaaagcaaag gaaanaaac aagggtgggct taancantta 360
taaccaaaaa ccnagccaa gatttaaang ganaacaatt tgaggcccca tnatcatcag 420
aagctgaaat cttcgggcn tgtccaataa a 451

<211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-02-Q1-E1-D8
 <400> 1145
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 tcaaccttgt cacacacgct tctanttacg cgntcantcc cggttaacac tttgtaagac 120
 gacaatttta caaacgcgga agagaaggcg ttgaagaaac ggtcttgatc agctctcgag 180
 ccgaattccg agcttacgta cgcgatgatg cgacgacata gctcttctat antgtcacct 240
 aaattcaatt cactggtcccgc tgcgttttaca acgtcggtga ctgggggaaaa cctggcggtg 300
 ccaannttaa atccgcnttg catcacaatc ccccttttcg ncnagcntgg ngtaataagc 360
 naaatagggc ccgcaaccgg atnggccctt cccnaaaaag ttgcgcaacc tgaaatgggg 420
 n 421

<210> 1146
 <211> 495
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-02-Q1-E1-D11
 <400> 1146
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 tcgacgagct cactagtcgg cgccgcgcct tttttttttt ttttgattaa acagtctatt 120
 ccttctcgaa tataacagtt taagggtttt ttctttgtga ttgcancact aagngccctg 180
 tggcacannn agaaggacaa aaaagacttt aagagccaaa agaaaaaacc aattcaagaa 240
 gaaaataatt cattacaaaa ccataataaa catccatttt ctccatcttt tttttccagg 300
 atttaatgat gaaaaccccc acagaagaca aggttgcaat canactctgt gacactatta 360
 catgacagag aaagaaacat anccttcaag aatcaaagca gctcananga aagcgctcct 420
 cccaagtaat ttcaccacat ctagctgaat tgtttaacct gggccacatc aatgggattt 480
 taattgtcca tgttt 495

<210> 1147
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-02-Q1-E1-D9

 <400> 1147

 tttttttttt tttttaaga acaagtttct tgattacatt aacttttttag gtttcgcata 60
 tagcaaagta ttttacacac atataattaa ttactctcng agcatttgta atcattaact 120
 tgaacaagtg aaattcaaga agatgattcc ttgaactcct gcaactgttt gaagttcatc 180
 catggcttca cccacacttt ggcttcaaaa ttcttagtct gatcaccttc ttttgcttct 240
 agggttaagt ggtacatcgt tcttgcaact acctgctccc ttgctttgac aatcctcctg 300
 aactcaagaa ntttggtccg ttgtttgtta angtcctga atgggaaatc nanccgagac 360
 tcncnattct ctccaactgg tctganttc ctccggaaga 400

<210> 1148
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-02-Q1-E1-E3

 <400> 1148

 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
 nnnnnnnnnn nnnnnnacag ccgaagaagn agagtngaag angnatgttt aagattcanc 120
 cttacacaag tgtagcanaa gcaaaaaaga aaggctatca acgaatggga actttgatcc 180
 aaccattggc aaaagcaatg gctaagatga cgaatggcgt tgacataccg aagatgataa 240
 tgtaaggaag aggcgtcttc ancggattct ctcttctct tttccaacg ctttgccaat 300
 acctataaag ttgtaatgca aatctcatcc ataaccattt cgtcagtcac aatattgcat 360
 gtttangaaa aatgtgcatn caagagttaa aagatccttt gacaactta 409

<210> 1149
 <211> 411
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-02-Q1-E1-E5

<400> 1149

nnnnnnnnnn nnnnnnnnnn nnnnnnaaag atgattanca tatanaaata atatcacaag 60
 gatataatgt tccaatttat tgaattaaaa gnactgngaa aataagactg ggaatgtttt 120
 aaacgatccg acacgagaat aatttttagtt tcatattaag acaatcatca cttgagggttc 180
 cttctagtaa acgataactg atggagttaa gagacgagat ataagaagag gtacagaggc 240
 aggtccttcc tcgcccata caggctggaa cagatccaac tcaccatacc gctccagaac 300
 tccgcaccc acaatcttca nctgccatca atccaagttg aataancgcc gtgaacccga 360
 accccgggaa actcnagctc gtcgcttcaa ccgggaaaag aataanttaa c 411

<210> 1150
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-02-Q1-E1-E8

<400> 1150

cgnncaccga aagaatatag atcccattgc ccttggcatc aggaaangcc taanaagaaa 60
 acaaataatt ccaattcata tatgaacatt tttgcctcct tatttcttga aaatgtggaa 120
 ttggaattcc ccgaggaatt ccgatctcat ttcggttgnn gtcaggatag gcctaataag 180
 aaaacaaata attccaattc atatatgaac atttttgcct ccttatttct tgaaaatgtg 240
 gaattggaat tccccgagga attccgatct catttccttt ggnttcagga taggcctaata 300
 aagaaaacaa ataattccaa ttcatatatg aacatttttg cctccttatt tcttgaaaat 360
 gtggaattgg aattccccga ggggatcctc tagagtcgac ctgcaggcat gcaagcttgt 420
 ctctcncttt agtgagggtt tagcttggca ctgggccgct gttttacaa 469

<210> 1151
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-02-Q1-E1-E9

<400> 1151

tttttttttt ttttttaaaa tatgcataca actttattgt aagttttgta actcttccat 60
aaaaattaaa aggccatgat acanaagata taggcaangt ttcttttgcc ttctcataca 120
agaaaataca atataagcaa aggcccatct gcctatataa aaccctaact ctcgtaaata 180
aaactctgtt tttttcacct tctcgtttca ataaaatcca acacacacca nagacagttt 240
aaggaaaata naagaagacc acacgatgca ttttcttgta atangattgg gtgantcatc 300
tatggtttac gaacgcttat aaagcttgac atcatcgatc acaggccac acaatgacga 360
gaaatcatcg ctctcatgg catanaaagt gctgtagaac a 401

<210> 1152
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-02-Q1-E1-F1

<400> 1152

tttttttttt tttttaattt cactccttac tccttcattg agagttggac acaaaatcag 60
tatgacaaga aattgaggat gatctcttaa gaaaaangcn aanggtaaat acacatttct 120
cttgttgtga cacaaaaagg aaagagaana cctcatcaag ganantgaga agatgtactc 180
aagattaaac tcataattaa nccacacttg aagcaattgg aactacgggt gctactcatt 240
cttaagcttc ctengaccct tccgtctcat cttcatcgtc ancttcttcc tccaccgcat 300
caacancgta cctcgcatte aagaactcca caagccgcag gagtcagaac aagcttatca 360
gcgttcaaaa tatcanacaa gattcaattg tccctaaggc gtaaacatcc cnaaagg 417

<210> 1153
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-02-Q1-E1-F4

<400> 1153

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngagaaagag tagtttggtg 60
gtattgatgc tctcttttga atgttttgnn tgaanngcct tgggaaagaa aaaaagaagc 120
anatatgaag atttcacaat gcatcaaaag ctttttatct acattatata attactccct 180
canaagcttc cttagtagac ttcaanattc cactgttnac tctctttcaa ttgcttcttg 240
tactccaacc aatcgatccc atcttttagca gcaancgaga ccataangtc atcgataccc 300
ttcnccatac ccttaagacc acacatgtaa acaaaggtgt tgtctttctt cagcaactcc 360
cacagctctt ctgcaanact cgcgcattcc tggccgaatg tacattttcc 410

<210> 1154
<211> 403
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-02-Q1-E1-F5

<400> 1154
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catgatacat acaaagtcac cagcttcnng ttgtctctcc cggttttagcc atctattaag 120
ccagctacat gattcatatc aagaccaatg cgggattaag gatcangttt accggcgatt 180
gcaacatcat cttcatcatc accatccgag gcatattcat cttcactcat ttcatcatca 240
ctagacattt cctcagtatc cgcccttggc tttgcgtant tctcacaata ctctttaact 300
ctctgttcat aggtangacg atcacgcac atcaatgcag ctgcttcacc attcaagggg 360
atctgacgga ttcgataca gaagaanttg cgggaagaaa tgt 403

<210> 1155
<211> 406
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-02-Q1-E1-F7

<400> 1155
tttttttttt ttttttaaaa cttcaatctc tagttaaaat attaaggcca aacatcaa 60
gtcatacaaa tcatagtttt tatanatatg ngttccngng caaatttatc gatatttccg 120

gtcgaaaccg ccacaaaccg tanagaangc gcgtttgnac ctcccttttg ctcgagaact 300
 catnagggta cntttanaag tgtcttttcc gcaaaatgcn tcgaccacaa ncgatccttt 360
 ggnaagcatt gtttagcatct ccaaacggca aagnaanaag 399

<210> 1158
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-02-Q1-E1-G1
 <400> 1158

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 gccattaaaa agcaaagtgc cttgtctctt caaaggngna gggngntggt tcttcaaagg 120
 caaatattgca aanctcatat cgagtaggag ttttaagaac aatgactaac aataacaaaa 180
 agaaaaaana gttttggaag agttatggca atacacaaga gttctcttcc ctctactgta 240
 atgactttta aagagagatt tgtgaagaca aaacananga tgagtcatga tgggggttgg 300
 tttcggtaaa tgtttgagtt gttgtgcaac nccaactaca caggtgtagt nnatgtcctg 360
 ntgggtancaa agntccangc ccnnttannn ttgngacgga ttcaactcga ancgg 415

<210> 1159
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-02-Q1-E1-G4
 <400> 1159

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 gatagtaact agacaaatgt ataactgtac aacatttgct gtttttggtg tcatcgatag 180
 ttttcgtagc ttcttgtgac gtttagattta cagagtctgg ttgaagatag catcttgagc 240
 ccctcagcgg tggatacgca tcatgactgg aacaagggtta tagtggctat atgaccgttc 300
 ttcacacact caaaagcaac attctgatag ccatacacat atgtagatcc aaaagggttg 360

ctcgttgaac cttgcgtctg aataactgct gggccanaat ccccgaagt 409

<210> 1160
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-02-Q1-B1-F3
 <400> 1160

cgagttttct tcttcttctt cctcaggaac ttaagtttct gagtccatga agatgccagt 60
 ggcattgggc tggctactgg cattcactat tctactgac agtggggaag gcaataatgc 120
 catctgcaag gagaatttta agttagaccc tagacctcat agtggttcga tcctcgagtt 180
 tggagcgggt ggtgatggga agacgctcaa cactattgct ttccagaacg ctgttttcta 240
 tctcaagtct tttgcggata aaggcgggtgc tcagctttat gttccaccag ggaaatggct 300
 caccggaagc ttcaatctca caagccatct cactctctc ctgggagaaa ggagcaacaa 360
 ttctgcac caccgggatn cgtcgcantg ggaacttggc aatcctctaa cgt 413

<210> 1161
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-02-Q1-B1-F5
 <400> 1161

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 tgagtgacta caaggtggag atgatcaatg atggcatgca agagttcttt gtcgaattca 120
 gtggacccaa agacagtata tatgaggag gtgtgtggaa gataagagtt gaacttctg 180
 atgcttatcc ttataaatct ccatctgttg gtttcattac caaaatatac caccctaag 240
 tcgatgaaat gtcaggttct gtttgtctag atgttattaa ccaagacctg ggagcccgat 300
 gttcgacctg ggtgaatgtg ttcgagacat ttcttccgca acttcttctg tatccgaatc 360
 ccgtcagatt cattgaatgg gtgaacaact gcattgatga tgcttgatcg tccna 416

<210> 1162
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-02-Q1-B1-F6

 <400> 1162

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 ttctccttgc cctcgtttca attcagttaa atgggttcgtt tggatctgaa tcaagtaaag 120
 tagcttatgt cacacttttg tatggagatg agttcttatt aggagttagg gtattgggta 180
 aatcgattcg tgacactgga tccactaagg atatggtcgc tttggtttct gatgggtgtct 240
 cagactactc taagaagtta ctcaaggctg atggatggaa agtagagaag attagtttac 300
 tggcaaatacc aaatcaagggt tcatccgact aagttccggg gtgttatata aagcttaaga 360
 tcttaacatg actgattata agaaagttgt gtaccttgat gctgatacn 409

<210> 1163
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-02-Q1-B1-F1

 <400> 1163

ctcgagcttc gttgtgatag gtcaggtcag ggaacaacaa tggcttcttc tgcaacagca 60
 ccaaattcgc tatctttctt cteatcttct ctctttttat cctcctctca ccaaatacct 120
 aaaacctaca tttccgtttc aaaactcggc tccggcagag tctcgaagcc gctttctgtc 180
 tcttcccagc tagcgactct accgattcta tcattcgaag gagagaaggt cggagagacg 240
 tatctagacc tcaaagcggc gccggaggat accgcgcgtg cgttgtgcac cgaaccatcg 300
 tgacggacct gaataacaag cggcgaggta ctggcttcaa aatgactcnc ggtgaaatct 360
 nttggtggtg ggaattaaan cntactcaca gaagaaaaat gggcaacgcg angg 414

<210> 1164
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-02-Q1-B1-F9

<400> 1164

cgagctttct agtctcttct ctttactttg gtcgtccaca atgaaaggag gcagcctctc 60
gtttctcttc gttctcctaa tcgccaccat cacttccgtc atttgcttca gtgacgggat 120
gttaccaaac ggcgactttg aactaggacc aaaaccatcg gacatgaaag gaacgcaagt 180
aataaacaag aaggcgattc ctagctggga gctttcaggc ttcgtcgaat acataaagtc 240
cgggtcaaaaa caaggagaca tgcttctcgt agtcccggcc ggaaagtctg caatccggct 300
aggcaacgag gnatcgatta aacaaaagac ttaacgttac aaaaggaatg ttttactcac 360
tggacgttca agtngccgca agggacatgt tgcccaaaga cgaaacggnt caaacatata 420
gg 422

<210> 1165
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-02-Q1-B1-G11

<400> 1165

tcgagcaaaa attcaaaactt ttttctcttt ggaaaattct gaggcaaaaa tgcggcgtaa 60
ttgctgccat gtttcatttg cttcaaccct caagatcctt aattttgtcc aagctttcat 120
tgggtgtttcg atcattatct actccatatg gatgctccat gaatacagcc gtcaccttcc 180
cgtggaccgg cctccgtcag cttcatcaag ctccggaacc gagatcgcta ctaagtgtat 240
ctgagccctt gaagaatcct attgattttg tggcgaagta tcattctcgg gtctaattggt 300
ggtgatnatg ggtttaacct acgccccgtt ggaccttcct gctccaaggn tcaactactc 360
cttcattgggc ggttggtata atggtctgca attggtacct tcaantgggt tcaat 415

<210> 1166
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-02-Q1-B1-G4

<400> 1166

```
gaggcggcac taccgttaga gtttccagat ggcaccacac cagtaacatg ccgggtctct 60
atatatgaca actcaagtga caaaaaagtt ggtgtcggaa aattgatgga tagagcttct 120
gttctctctc tacctctctg cagtctgtat atggaagaag ttcattgtcaa gcctggcaag 180
gaactatact ttactgttgg aggccagcat atgccttttg gtgcatcacc acaggatgta 240
tggaactgaat taggtcgacc ttgtgggata caccctaaagc aggtagatca aatgggttatt 300
cattctgcgt cagatnctcg accaaaaaca actatctgtg gtgattactt ttacaactaa 360
tttactcgtg gtttgggaca tcctgtttga tggcnagact ccacaaagtt aaa 413
```

<210> 1167

<211> 170

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-02-Q1-B1-G5

<400> 1167

```
ctcgaggaaa gcttcagctc tctgatttgt ttttttctct cgtacgttct ttgtttctct 60
gtaactgttg tttcattttc tttcaccgaa tttcaccagt gagaatttct tccattttcg 120
aaaaagaaat aaaaatgaaa ttctgttttg ggctaaaaaa aaaaaaaaaa 170
```

<210> 1168

<211> 423

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-02-Q1-B1-G9

<400> 1168

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ctcgagtgga attgtcaagg ggacaatgac aaccacacac tcctacaccg gagaccaaag 60
gcttctagat gcatcacaca gggacctaaag gcgtgcaaga gccgcagcac tgaacatagt 120
gcctaccagc acaggagcag ccaaggcggg gtcattagtg ttgccgcagc tgaagggtaa 180
acttaacggc attgcactcc gtgtgccaac accaaacgtc tcagtgggtg accttggtat 240
aaacgttgag aagaaagggt tgacagcaga ggatgtgaac gaggccttta gaaaagccgc 300
```


caagttagtt tgggaaaacg ntggggactc cttgaaggct ttggcnttga gaagaaggag 420
ctaattgatt 430

<210> 1171
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-02-Q1-E1-A12

<400> 1171

gtgttaccct gccgtncaac tttaacgcn ncaggtaccg gtctagaatt aattcccngg 60
tcgacgagct cantagtcgg cggccgcctt tttttttttt tttttttacc ccataaagag 120
agtgaataga aggagccact tttttttcca ctgtaattta gaaaatgaag tgtntaaatg 180
tccttcaann gtaagtaaat aaatccgaaa catataaaat gcggttaatc ccgctgttga 240
acaagctatt attgcaaaaa ttggcgaaaa taacaaacta tcattaagaa tttcatcttt 300
cgaccaaaaa caagcaaggg gggggatacc acaaagagag agtggttccta ttaaaaaggg 360
cgtttttgta atcgggacat gttttgtcaa accaccata agaatcatat tcctgacttt 420
tatcgggaga aatatccaac tataacttcc attggaatga ataatgggat ccagattcct 480
aaaaaacaac aaagct 496

<210> 1172
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-02-Q1-E1-A2

<400> 1172

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn naacaacagt 60
gcgtgaacaa aaaatatatt gaatccccct cttccgggtt ccntcttgtg ttcactantt 120
canaaatgaa tagatcaana taaatagtcg ccatnatcat cagcaataaa agaatggnat 180
caaangtctc gangcanctt cctaacttgc tccaacgtaa cgaaggagaa caacagtgaa 240
aggaccttgc ctacaaactg taggaacaaa gcctttataa agagccatgg ctccctccgc 300

ttaaaccgtc ttcaccgcac aatcccacgc gccgtcgta gctccacac tcatattcat 360
cactcncgtc tttacacatc caccgggatt agacgcaacc gaagcaaaca a 411

<210> 1173
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-02-Q1-E1-A3

<400> 1173

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnggaaccaa acaatcacia gaaagtgggt caaacangna acanaaatgt cgactctgct 120
atcataatag caaagtgaca taaaagccac tctgaactca aagctcacac taacacacaa 180
cctagaaagg caatttatat atttgtggcg aaggaaaggc cttccttaga tagcacttca 240
aggntctcaa cagaagggtg tgctcgtgca agtttagcaa ttgcattgtt ctcttcagga 300
cttcacactt ctaaaaatgc tccaaccact ttccgttctt taatccaagt agtccccgaa 360
tttcggcttt ggogaatccg ggtcaatgtc cccaaacaaa aagcctttnc ca 412

<210> 1174
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-02-Q1-E1-B10

<400> 1174

ttaccctgcc gtncaacttt aaccgcccag gtaccggtcc aagaattaat tcccgggtcg 60
acgagctcac tagtcggcgg ccgcccnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gnnctctnca gcattagctt 180
atnngnacta ttcactantt tgaattcact ctctattca gtcagtactc aggcattctat 240
tatctatata caacttgaat ctgtgattga gaaaaagaaa gaagtagcaa gtgaccatta 300
atcatagggt gcgatgaacg gaatgaccat caacatgaag acatcgtaag agagcggttg 360
gtagcctgtg taaccagggt cgttctccct gaaattcncc ggcaaaccct tcaaaaatca 420

atccaaactc caaggaaact gtcnnaaaca taaggtcaac aagttttgcc aantcccatc 480
atcaaacttg aa 492

<210> 1175
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-02-Q1-E1-C7

<400> 1175

tttttttttt ttttttttac gaagcnacca taaccaaata aangaggtaa atcaaagttc 60
tgacctgacg ggtttggttt acgagagtgn ggngagnna cttacttact tcctggagac 120
ataagcaaag tattgtgcca tgggaactac aaaggcaatt acaagtaatc ctccaacgac 180
aagactgaac tgtcctcgtc tctcatcggt ttcttcnttc gtcttgaaat ttgattctct 240
cttgctatcc ttacgggttg gacccccggg atctgggtga ccgtctatag ctgcaancan 300
ncttttcgca ctgctatata ccgctcngt tgtatttttc cgtcngttgc tantacgggg 360
aagaatttcg gaaanggtan catcaanaat gttttcacca 400

<210> 1176
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-01-Q1-E1-D5

<400> 1176

nnnnnnnnnn nnnnnnnnnn nnnnangaca aaagaatcaa taaacaaatt ttgaagcaca 60
tccctcccaa tcgtctcata cttaaannatc ccagacacca gnaatttggt tcttnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnttan ccttagtgca 180
gcaacccaaa aaaaagacaa cctaagtagg aggggtggtt cggatattta agacattacc 240
cttcttcagg taaacaaaag gcctcttctt gttttctttc ccaacccaac actttttacc 300
ttactaactc ctgaaagatt actgttgctg cttcttcctg tgantcntcn cgggtnactg 360
gncaangctt tggctctggg gcanancaat aaanctgtta annaananac cntttccggg 420

gnaaaacaag gactttg

437

<210> 1177
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-01-Q1-E1-F1

<400> 1177

tcgngggccg cccttttttt tttttttttt tgaataagat aatttcgatt tcgactgtat 60
aaatgattaa caaagattaa ttaaattaat taattataaa tccctcaaaa angntctaaa 120
ccatacaaaa ctccggcgtg tttctccgcc ccctcctcaa cgaaatacaa atccctcatc 180
ctctgaaacg cctgccacgt cagcaaaacta tccgaaccgg cttgatgaca tttccaaccg 240
cccgggttaa cttcaagaga accgagcaac ccgggtcaaaa ccaaccaatt acaatcctcc 300
tgggtcaaca aaaacctcat aatangtttc aaqaatcaat aaaaccctaa tcaaccgaaa 360
naaaagctcc taagcaaacc tnaaaaaact naacgccaan ggcaaccggg aaagcngccg 420
ggggcc 426

<210> 1178
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-01-Q1-E1-F2

<400> 1178

tttttttttt ttttttttaa taatttgata atcatatcat attatcatct taagcattca 60
atgctacaaa gataataccc ccaagctatt ttagattagg agctgannac agagacacaa 120
tactaacgat aaaagtctgt agtatcttta tgcaaccata catacatata cacaaagata 180
gacaggtagt gtcctaataa ttctacttgg gtgaggtatg aacagcagca acagtagata 240
ccattgtatc cataccacac atattatgag gccctctgca aattttgtaa gtaaccatgc 300
tctccccaca tcgctcccca cgaattcttg aaaaatccaa taaaggnttc cccttaaaac 360
cggttggggc aataaccccg atgaaacaaa tccaaacaaa gaacaactcc aanggccttg 420

<210> 1179
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-01-Q1-E1-F8

<400> 1179

```

tttttttttt ttttttttag cgaataatca ttcaatactc attaatatTTt ttccttacia 60
aaacaaaaat cagtaatttt ccttttnactc nggtcttgta aatgttatct accggtatat 120
ttcacttcag tactttttctt ttacaaaaat tataactatg accccatctt cctataattg 180
aagtatggaa ccctattgtc aataacaacc caaatcatca tcatttgact ctgttcttaa 240
ctctcattct gatgctgctt aagcaaataa gcctcatcgt gttcttcagc tccaaaacac 300
ttcacttcga tctcancttc ctcttcantg gagttgttgc atctctgact cgatnaaggN 360
ttgcantttt ggcnccgNct cgggcccccc gggatgtgn aaaaataagg aaccagt 417
    
```

<210> 1180
 <211> 490
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-01-Q1-E1-G12

<400> 1180

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gttttagcngg ccggtacagg tttaaaacng cctggccggt cgaanagctc aatacncggc 60
ggccgccctt tttttttttt tttttttacat ggaaccatac aataaaacat tacataagaa 120
aaatatctct ctccaacgat atgtatggaa gataataaag caaannggtc taaannaaga 180
ngnaataaac aagtgtata tgatgaactc gaagaagact ataatagcat tgactcttga 240
ctagcaatca aaagtcaacg tcacacttg gctgctgaaa aacaaaccg ctggttgaat 300
taagaggtaa gaggaacctt gagatcgcac ttgatcttgg gcttgaacct ccacgacttg 360
atcaacccaa acttaaacct aatcttaagt ctcancttgg catcgattct atagatctga 420
gaattcacat cntcgtttca aatccttctt ctctccgccg tcaagcagca ncaaattgct 480
gtcccacgaa 490
    
```


<210> 1181
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-01-Q1-E1-D4

<400> 1181

```

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nagagaagct aattgtaata 60
ttaccgaaca gtaaaaatat tacaagacac tgaagacgnn ncnccaccgt taaaagctaa 120
aaactaacc c agatggtgga aatcaacggt cactaacaaa cacaacgac atgaagcaaa 180
taaaagattg cacatatagc caaaatagac gaaacagaac ataaacacgt ggcgtaaaga 240
acataattat ttacatcat tctcatgtca ctctaccctc tcgggtcaac ggtgcttgct 300
cctantgtcg tcgctgtata gccaatcgta nacggtggga nagtttgggt gaagaagggt 360
tgtccaaaaa gtttgtgccc aatcctctan tgggcgaagt tacttcttgg aatgaaacaa 420
acttccccc aa 432
    
```

<210> 1182
 <211> 344
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-01-Q1-E1-G7

<400> 1182

```

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnaatcca ccacctaaac cattgttagg angagtaang aagcctctta attgtctatt 120
tcagctacag aacaaatgct atttgtttag ttgggttctc catacaaaaag ttgaaaacca 180
ctgttctcta ctttgcaata atagacttca tcaccgacta gctttcacag aaactttcac 240
catatccaga cccccaagat gataatccaa ggaagtannnt gctgctcaaa acaaacggaa 300
atggnacctc tgccttgcca tatecttggg gtgacaaaana aaga 344
    
```

<210> 1183
 <211> 436
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-01-Q1-E1-H6

<400> 1183

tttttttttt tttttttttg acttgaagat agaattaagt ctcttgaaac agtacgaact 60

actgacaaag gttctcatat ttgtgnnaaa tngngagttt tcacaaagct atatcacata 120

aaccattcaa aatcactgct tataacagaa ttcactaccg agcaagcttc tcactttctta 180

gacttttttcg caggtacctc ancggtttgt gcaggtgggtg cagcggnang tangtctcct 240

ccaggaccct tggcaagacg ctctctctcg cgagcatgtn tcctctctcg gctagccttg 300

ttctnaacc ctttancctc aaactgggtc anacaatgct ntctctccaa ctttctcaac 360

ccttgggatt tggngaatac ntttcaatcn ggaanaagcc ttgntcnntg aaaaacgttt 420

cccngtggac tttaaa 436

<210> 1184

<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-01-Q1-E1-H8

<400> 1184

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnt aaattatgaa aggatccant gacggttcca aatcattcca 120

atcaaacaaa aancagagtt taaacgataa caaagcaaag gaatgaaaca gaggtttaaac 180

gataacacag agtacgtant tgttttttccg ctaaactcggc gaattcagga acaagagatn 240

ttaagcacgt tttaaaacta ccatgaanga taacaaccan agctaatacca aacagagaac 300

gagggtcatt gaacaacgct tgcttcttgt cttttccatc ttcngtaact ggattctaac 360

ccaannaagt cnccaaanta ggaanataaa ttttccancc aacggaaaaa 410

<210> 1185

<211> 403

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-019-Q1-B1-A1

<400> 1185

```
tcatatatta ctactttttc acctacaata tcattggaga tgtggagtct atggccttta 60
atgatggaag cactcgtgga ttgggctatt gactttttcc caaatatatt ggtcccgttg 120
cacaactata tatccagggg gactgggcat tatcttactt gcaaggaacc agattaccag 180
caaaatcttt ggaatgtgat atctgtgctt atggcgaata aaaatattga tgacagtgc 240
ctcgagccag ctccgaagct attagggata gtgcttcaga catgcaaggg ccaangtgga 300
tcaatgggta gaacctacc tgagaatcac acttgatcgg ctacgcggtg ctgaaaaatc 360
tccttcaagt gccttctggn tgaaantggt gcaaatgcct ttt 403
```

<210> 1186
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-019-Q1-B1-A11

<400> 1186

```
tccttccttg ttgtcatcgt ctctctcagt ctctcaattt cttcccagat tccccaacgc 60
gactagattc aatgtaactc cacggagcag agccgccacc gtcgtcgcgg catccgtcac 120
cgacctagcc ggggtcgaca gtacaacaat cgccgtactc ggtggaggat ccgtagcagc 180
actcgcggcg atggtttctt taacggatcc ggagaggagg cggaaattgc aggcggagga 240
agttggcgga ggcgataagg aggttgtagg ggagtatttc aatagcacgg ggttcgagag 300
gtggaggaag atctacggtg agactgatga agtgaatcca gtacagaagg atattcgact 360
cggtcatgct aagacngtgg agaacacgat gcctatgccg actgaagata aattcttggg 420
nggtgtca 428
```

<210> 1187
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-019-Q1-B1-A9

<400> 1187

ctttgccagg gaactcgggc atctcgaggt cggcgagttt agtttcttca accctgcaaa 60

gatgggtcag gcctttttca gctgaaactg gagataccgt ggaagcagtt gtgcctcata 120

tgggggaatc aattactgat ggcaccttgg ccacctttct gaagaaacct ggtgagagag 180

tccaggctga tgaggctatt gcacaaattg aaactgataa ggtgacaata gatattgcta 240

gccagcaag tgggtgtaatc caagagtttc tagtcaacga aggagatact gtagaaccag 300

gaaccaaggt cgctattata tcaaagtctg aggatactgc atctcaggtt accccctctc 360

agaagatacc agagacaact gataccaaac cttctcctcc tgctgaagat aaacanaaac 420

ccacagtga aantgctc 438

<210> 1188

<211> 416

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-019-Q1-B1-B1

<400> 1188

catcaaata tgagtgggca anagaatcat gatcatggcc ggatctcttc tacgcccgcc 60

gccgcgtcgg agccttccaa ggctgctgct cannnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncaccgg tgccgccgca 180

accaccatgc cagcgggaatc caatccttac gtttctcctt ccctgcccc aaggaatacn 240

atggattcgg tgaaggatac gttanggaaa tgggggaaaa tggctgccga cgccaccaag 300

aaggcggagg atntcgccgg aaatttttgg cagcacttga aaacaggccc aagtgtanca 360

gatgctgctg tttcacgaat tgctcanggg acaaaaatac ttgcagangg tggata 416

<210> 1189

<211> 444

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-019-Q1-B1-B10

<400> 1189

ttacgttatt gtagcttaca ttttcgcgcc ttctctggcc ttctgtaacg cttatggagc 60
 tggacttaca gacattaaca tggcttataa ctacggcaaa attggtcttt ttgtcatcgc 120
 ggctgtgacg ggaagagaga acggagttgt agccggactc gccggttgtg gactgatcaa 180
 atccgttggt tcggtttctt gtattttgat gcaagatttc aagacggctc attacacgat 240
 gacgtcacct aaggetatgt ttgctagcca aatgattgga acggtcggtg gatgcatcgt 300
 gacgccgtta agtttctctt tgttctacaa agcgttcgac attggaaaac ctaacggaga 360
 aatcaangnt ccctaancct gaattacaan aaatatggca atccttgggt caaagnnttc 420
 ctggccngcc tcttaaagtc tcca 444

<210> 1190
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-019-Q1-B1-B12

<400> 1190
 caaaccaaac aaggaanaag aaaagaaana caaccatcaa caacaatgng cgagtgaana 60
 agaaagtttc atggagatna ctaatcgttg gatgtttagg agatcnagaa gncctaattg 120
 gcatcttcaa aganacctaa nagaaganat gacgtcatca agaaacagag ctcttttcaa 180
 aggactatcg atacttgatg atgagcaatc caagttccaa cactttgtca gaagatctat 240
 cgatttcttt ggccggatca gatcttcatg tgtttaccct agcggagctt anagtcatta 300
 nacagagctt ttcacgacc aanttttcga cgtgaaagtg ggtttggtcc tgncataan 360
 ggtttcattg atgataagct acgtcctggg cctaaagctc aacctgttgc*ngttaaattg 420
 cctgatttga aagncttca 439

<210> 1191
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-019-Q1-B1-B4

<400> 1191

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 cggaatctgg atctacggcg tttcgtggtt tcgcaaccgc cgcttccgta cagcctgcc 120
 accatgttag ccgtcacctc cgccttgatt tccatcttcg ctcttccctt aagaaactgc 180
 agcatttttc tgatgatgca agaatgaagt ttgcaagata ccaaagagta tttgtattca 240
 atgggggctaa ttttctcaag tctagagttg atatccggtt gtcccaatct tcgccatttg 300
 tatgtttctt taatggtgga gagagtanat taaaccctan anggtggtga ggaaggatca 360
 tcgaacccgg agacttccaa gagaaacaca nttaacggac ggagatggac caatgtcctt 420
 cct 423

<210> 1192
 <211> 135
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-01-Q1-B2-F5

<400> 1192
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 tgtcaaataa actttgattt ggtgnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnn 135

<210> 1193
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-01-Q1-B2-F8

<400> 1193
 ctcgagatcc ccctctgttc gatcccgccg cggtgagaag cgatgaagtc ggagacttta 60
 acattagttc tgggtgatct cgccggaatc atggagagag ccgatgagtc tctgcttcca 120
 ggagtttaca aagaagttgg agatgctcta cacgtggatc ccacagctct tggaacatta 180
 actctgttcc gctctattgt tcagtcttct tgttaccctt tagccgctta cttgtcttct 240
 agacataacc gagctcacgt catcgctctc ggtgctttcc tctgggccac tgccactttc 300

ctcgtcgccg tctccactac tttcttccag gtgggcagta tcaagaaggc ttgaacggga 360
tagggctaac cattgtgaca cccgcgattc agtcctaat cgctggactc aac 413

<210> 1194
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-01-Q1-B2-G3

<400> 1194

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gaagctggaa actgcatata aacgttcagg ggggagaaaa gtcactatca tctccattc 120
aatgggagga cttatggttt catgtttcat gtatctccat ccggaggcat tttccaagta 180
tgtaaataaa tggattacaa ttgcaacacc tttccaagga gcaccagggt gcatcaatga 240
ttcaatcttg actggagtgc aatttgtgga agggttagaa agtttctttt ttgtgtcacg 300
ttggacgatg caccaactgt tggtcgaatg cccatctata tatgagatga tggcaaattc 360
aagactttaa gtggaaaaag caaccanaga ntccaatttt ggcgtaagaa atcctgaa 418

<210> 1195
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-01-Q1-B2-H4

<400> 1195

gcttggtcac aaaaagatta cttttcttat tggtcctgaa gtctctgctc attttttcaa 60
agcttctgaa tctgatctta gtcagcagga agtgtatcag ttcaatgtcc ctacttttgg 120
tcctggagtt gttttcgatg ttgattatc tgttcgtcag gagcagtttc ggttcttcac 180
tgaggcactt agagttaaca agttgaaggg ttatgtggat atgatggtta ctgaagctga 240
ggattacttc tctaaatggg gagagagtgg tgaagttgat attaaggttg agctagagag 300
gtcatcatc ttgactgcaa gtagatgttt actgggtcna gaagttcgtg atcagctttt 360
tgatgatgtc tctgctttgt tccatgacct tgacaatgga atgcntcca 409

<210> 1196
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-01-Q1-B2-F1

<400> 1196

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 gcagatctct ccgatgtgat cgtgattcgt gacgtttggg cttataatct cgagtcagag 120
 ttgaccta tccagaggaat cgtcgaagat taccattca tctcaatgga tacagaattt 180
 cccggcgtga ttacaaggc ggatctcgac gttctccgcc gtggaaacc taattatctc 240
 tacaatcttc tcaaatccaa cgttgacgct ttaagttga tccaagtcgg tcttactctc 300
 tccgacgccg acggaacct cccagatctc ggcggtaaaa aaaaccgtcg atacatctgg 360
 gaattcaatt tccgttactc gaanttgaac gtgattcaaa agctccctga tccatt 416

<210> 1197
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-01-Q1-B2-H8

<400> 1197

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 tttcaagctt ctgatcaaaa agaattcatca tgggaggagg aagagctatg gcgacggcgg 120
 cgaagggttc tggaatcgga gttggttaaag gaggattcaa gggatttga tttcctccgg 180
 cgactgagca gtttcgtggt aaaaccgcgg cggctgcggc gtcgtctaaa ccggtttcgg 240
 cttcgattac atcggcgggt catccttctg ttgaagaaga tgggatgatt atgcagagac 300
 cgggtttggga tgattgggaa tttgctgaag aagaaccgat tcctanggtt gtttttagca 360
 aacctcctaa tcttgaagaa nctaaagaag ctactgaaga tcttaaagaa gcaat 415

<210> 1198
 <211> 421
 <212> DNA

<223> unsure at all n locations
 <223> Clone ID: ARABL1-01-Q1-E1-B2
 <400> 1200
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 taactttcat atattgggcc ataaactgat acngtgtag ggtggggtca ttgctaata 120
 gcattgtacg gttttgctca atagaacgca ttttatttac aagcaagaag cagagataaa 180
 tagagagagt cagcagcgca aagagactcg ctcatacaaa tcaccangag taattaaaac 240
 ttatttgacg agatgctaaa tngggcggtg ggtttaagaa cggtgcttca acaattggag 300
 aacaatacct ggnancnnc cacaatntt tacggncctt tncnaaattt gttagaaaaa 360
 caattttcaa ccnaantct ccnccaaca atttcttgaa tgatcaatta aggcttcccc 420
 cttnaacca acccgagcg ttaaactnc 450

<210> 1201
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-01-Q1-E1-B3
 <400> 1201
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 ccatcgattt agtattctaa aacgccaaca tnnggagttg caaangcata tatttctctg 120
 gaagatgac atttcttctt ctttggttct tcttctgcat agttcttgat tagtgcttct 180
 acntctttcc agaataaacc ctcaacaaga actccatctt tcgtgaacca ttgggtgaca 240
 cttttgggtg agctgaactg acttcccagc tgagattgat ttggatnaac actgtccatg 300
 gtgaagaagt gtacctgatn aaaaaatccg gggcaacttt tgaagatacc accaaaccaa 360
 gtgctgggtg aaatgattcc tcaaggagga taaggatgaan aaaaatccna atcctcnccc 420
 taagggtaca aaa 433

<210> 1202
 <211> 492
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-01-Q1-E1-C3

<400> 1202

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 cggaggccgc cctttttttt ttttttttct ttatacctcc caaccaataa atgtatataa 120
 tatagacaaa caatgaaaca aacaccacca acaacaaaaa agtannactt tnggagtnct 180
 tttagactaa acatagatca caacactggg acggagattg agattgatat cggaactgag 240
 acatccgttg taaaaccacc gtctctattc ccatttgtat tccctacaaa cccgtaaacy 300
 ccagaccgca tcgctgcatt ttcccgctc tgaaaaaccc gagcaagcga agccgctttc 360
 cgtctaaccg gctttgtccc cgtaaaaaa agcgtctgta ncaacccccg caatcgagg 420
 tgctctcaa actttctccg ccanagcanc tccacaatnc ctacaaagct cgagcaacgg 480
 cagcacanga tt 492

<210> 1203
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-01-Q1-E1-C6

<400> 1203

ttttttttt tttttatcat aaagcttctt aaatatttca cacacatata aagtaattta 60
 caagatatga aatctgcac acatttccaa gaggnaacan accggatata cacaactcga 120
 tcacaaatta aactcacttt ccggggacga agttggtanc gaaggcccat gcattgttgt 180
 tgactggatc agccaagtgg tccgcgaggt tctccaacgg tccctttccg gtgacaatgg 240
 cctgaacgaa gaatccaaac atagagaaca tanccaacct tccgttcttg agctccttca 300
 gcttcaactc cgccaaagcc tcggggtcag taachnaagcc caatgggtcn aaactcccac 360
 cttggtaaaa caaatcctcc ngcntcccc aaatgggcca tctccgggna 410

<210> 1204
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-01-Q1-E1-C7

<400> 1204

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tttttttttt ttttttgtga gaattatgaa cattataaca tcaaaaatcc aaattcagaa   60
acattactat ccacaaatta gaggccaaga tanncaacag gagttattta acttggtttg  120
acatctatac tgaaacaaaa acataacccg aatcatccaa ccgttcttcc acgggaagcc  180
ggtttacata aacataccat gataccaaca tcctccactt gaaagaacac ggttggaact  240
taacttttgt tggtcaccac ataaaaccta acataaccaa tcaatacaat aaacnaccgg  300
aatatacttt taagaanttg aatttacctc ctcggtcctc aatccaccaa anaataccan  360
nagatngagc cnataaancc ggggtgttccg ccggaantaa ctncnnngga nttaacagg  420
gcggggnttc a                                                           431
  
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<210> 1205
 <211> 480
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-01-Q1-E1-D10

<400> 1205

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gtaccctgcn ggtaccggtt tanaatggct cncgggtcnn aagagctcac tanccggcgg   60
ccgcccnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn  120
nnnnacaaaa ggngccaaat tttctttaaa ataacnggt tanngcatta catgacanga  180
gtagaagcta aaagccacca catcattaca tgacaccagt agaagctaaa agccaccaca  240
tcaggaggaa gagaaggat cgataatggt ggtgtgaant gggtcactaa ggtgagtcnc  300
ccagttgttg agcggtcctt taccggttgc anccgcctga accgcaaac ccaagaatcc  360
aaccatggct aaacgagcat gtttgatctc agctagctga agctgagcct tcttcaccgg  420
gtcagacgct aatcctaacg ggtcaaagaa cttgcctcct ggaaacaaac gcctctccga  480
  
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<210> 1206
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<400> 1208

ctcgaggcaa agcaaaattc gaagagacac aaaaaaacct tcgtttgtgt ctcagaattt 60
 acaaagtttt gagtcagtag agaaatggcg ggaatcgtga cagagccgtg gtcagtagct 120
 gagaacggaa acccaagcat aacggcgaaa ggatcgagca gagaactaag acttgaaga 180
 accgctcaca acatgtcttc ttcttctttg aggaaaaaat cagacctccg agtgattcag 240
 aaggttccat acaaaggtct taaagatttt ctctctaata tccaagaagt cattctcgga 300
 acaaagcttg ccattctttt tccggccatt cctgccgcca ttatttgacac ctattgtggc 360
 gtcagtcanc cttggntatt tggacttagc ttgcnangac tgacaccttt ggctgancg 419

<210> 1209

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-01-Q1-B2-A8

<400> 1209

cgagcggcga ttattttccc cgtcgatgca attgctcctc caccggtcag atctagctct 60
 tataagacaa ttcgccggat ccgtaaaaag cgacgaacca ggcgagtttc gtttggtgga 120
 gatggagatg acgcaggaga ttttggtcgt tttctgtag aaggtgattt cgggtggtagc 180
 gacgggtccat ttggatttnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnngagggat aattgggatg ggtcttcggt ttcgtcttgg 300
 tcagatccag cgatggaatt tgtgtatgaa gtgatttgct ggatcgcggt gtctaattgt 360
 gtgcactttg cgttcaagag gatantgagg atctgaccga cggtgaaag 409

<210> 1210

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-01-Q1-B2-B5

<400> 1210

ctcgagctta atcggcttat cggatccgaa tccggaccgc aaagcctgaa aaccgcagca 60

ttaattgcac gatgtccgat gctccgtcgt cttccccgga tgccacggcg tcgcactggt 120
gctatcactg caacaaacgc gtcgtcgttg aaaccttaga tgactttgtc gtgtgctgcg 180
aatgtaacaa aggtttcgtc gagtcaattc aaccgactcc cgccgcttat tcatcgccgg 240
cgccaccgca gccactttcc ccagatctga atgtagaaga ctccagtatt ggctcgcat 300
tctccaaga tgctccgctt gttagccac gcgccttctc ancgttcacc accacgacac 360
cttgatgttt tatcttacga agatgatttc ttcaggttgg gagctcaata nt 412

<210> 1211
<211> 378
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-01-Q1-B2-A1

<400> 1211
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gttttcttca gaattcccag agaagttggt ggaattgaat ttttcacttt tttgttcata 120
aaagttctag tcttttttaga tgaacatgga naaggaaaca gagcaaacc taaattactt 180
acctttgggt cagagcgatc cctttggcaa tggcaatgaa ggaacaattg gagatttcct 240
tggaagatac tgcaacaacc ctccaggagat ttcaccgtta actctacaat ctttctctct 300
gaattctcaa gatccccgag aatttcccaa tctctgngg gaatcagatt cccctccata 360
tccanggtca atttggga 378

<210> 1212
<211> 405
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-01-Q1-B2-B6

<400> 1212
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cagatctgaa gaggggtcaat tgaaattcgt tttcacgatt catccgcat ttttccggg 120
aaaaa caaa aggtgagatc aaagaggaaa aatggcgcat agggtagaac aggattatga 180

ttatttggtc aagatcgtgt tgattggtga ttctggtgtc gggaaaacaa acatcttggtc 240
tagattcaca aggaatgagt tttgtttgga atctaagtcc actattggtg ttgaattcgc 300
caccagaact cttcagggtg aaggaaagac tgtaangcc cagatatggg aactgcaag 360
tcaagagcgg tacaagagct atcacaagtg cttattacag aggan 405

<210> 1213
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-01-Q1-B2-B7

<400> 1213

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tgcacagaac gattggcatg gagcgtggtg gcacagcagc ttcaccactc tatcagggtta 120
tgtagaggaa gacagccctt acacgccaga tggcaagaaa ggaacttact attttgagtt 180
ttcaaggccc ttgaggacaa tggaccgtct ccaacaggat gttcagttca cgcttggtc 240
gccggccaaa atgtccgtcg cattctggta ccagtggtgac aacaaaccat ggcattggatc 300
aggacactac acgatnaact gcgattggac accggctaga tatctcctcg gggctctctt 360
cggttcccac ggcttcaact gtcaagggct cctancgaat gggggccaac cattacagcc 420
a 421

<210> 1214
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-01-Q1-B2-C1

<400> 1214

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tttcagacca agattccaaa ctccagttaa aggccaccat atatctccac tctcttggtc 120
tgtttcaaga agaaagatct tgtcttttag ggttcttcgt cttcaccaag aaaaaaccca 180
actatggaga gtctctgcaa ctccggaaga aatttcccaa gagatcgttt cttctgattc 240

atcttcttct tctggagcag ttgtgtctag tggaggacaa gatggtgttg ctttgattat 300
acaagtgcct ctctttgttg ctttcttgc tctcaagggt cctcaacatt ggtgttgtgt 360
acaatggagt gactggagtt tccttgggaa naaggaagag agaagaagtt tgagaaaga 419

<210> 1215
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-01-Q1-B2-C2

<400> 1215

tcgaggaaga aagtttcaag aactcaccta aaacacaaac aaaggaactc cacttttttt 60
ccacaccaca tcacaccatg tttagagcca tgagcacaag gaaaatccat ggtggctacg 120
aaaagctcgg cgatgaagaa gcgagactga agaggggtctc tagcgttccg gctagtgttt 180
atggtcattc aagaaacccg gttcaagaag tgaagaagac accgacagcg aaaccaaccg 240
gtggttctgt tcctcctttg tttagtttct ttgacgttca ttttcaaaga aagaagaaga 300
atacggcgaa gaagaagagt ttagcaacgg cgaaaccaga gtttgctagg tatatggagt 360
atgtgagaga aggangtgtg tgggattcga gttctaacgc accagtgtt cattac 416

<210> 1216
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-01-Q1-B2-C3

<400> 1216

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gacggaggag atcgccgtct ttggaagcat tcttagcccc cgttgacctt tccggcgctcg 120
cacttgttca aaccctagct tcaatctctt cggagggtgt ttcttgtttc acctctgttc 180
gattctcggt tcaacgcaag aacgctcggt ctttgattcg taagatcgag atctttgtcg 240
tattattcga atttctcgta gattcaaatt ggggctnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnnntct gtttctgaat caacagcttt gctttgtctc aaagagcttt 360

<211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-01-Q1-B2-D5
 <400> 1219

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 gtttttcttc tctcgttcct ccattttcta cagagagata tatcaaaaat tccattttct 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnttaatc atcgatcaag 180
 ttgcttcaat cgcgaaaaaa tccatgaata aaactatgga atggaatgtg aatcaaagga 240
 tttggttatg gtgatgacgc gatcttcgat tcgattcggg gattaaaaga tttggaagct 300
 cagatctcaa gctcggattt ctaatttttg ttggattatc taacccaaaa gccaaaaaaa 360
 aaaaaatgaa cggtggtgac gatgccgcta ctagtggtcc tctccgtct ttagag 416

<210> 1220
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-01-Q1-B2-E1
 <400> 1220

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 agcaatgctc gtctctttgc tcttcgattt tgagaaagaa tagtgcttca atgactgctt 120
 cgtattcctc tgatgcttcg tcttcgtgtg agtcatcncc tttgagcgtg gngtcttctt 180
 cgagctgtaa naaggttgtg atgcnagtg ggtctgtctc ttctacaagg aanctgagtg 240
 ttgggaaaga agaagagaag gtttctggtg attgcttcnc tgatggctcg aaaagggtgtg 300
 cttggatnac anctaaagct gacnngtgct atgttgcttt ccatgacgaa aaatggggaa 360
 tttctgtaca tgacgacnaa gaaacttttt gagttaataa gcctctctgg tgct 414

<210> 1221
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-01-Q1-B2-E2

<400> 1221

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gttatctttt tgtgggtctt ttgtttcttg aagccaaatt gtttgtgatg ttggtaatgt 180
tcttttatct ttccagttgg atgtcaagat aatttacagt tggggaaaga atgtcgatgt 240
tataccgcgt ggtgcaggaa aaggagaagc gcttgagtat cttctcaaga agctgcaggc 300
tgaaggaata ttcccgtca atactcttg ntgtggtgac tctgaacatg atgtcgaact 360
athtagcatt cctgatgttc acggtgttan ggtgagcaat tcca 405

<210> 1222
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-01-Q1-B2-E3

<400> 1222

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aattgatggg aagatttatg tgattggagg atgtgtagtt gataattggg ctcgatcgat 120
taactgggca gagatgtttg atataaagac tcaaacttgg gagccagtgg ctagtccagg 180
tatggagggt cgtgagaaat ggatgcacgc aagtgcggtt atggaaggga aggtttacgc 240
aatggctgat cgaaacggtg ttgtttacga acccaaggaa aagaaatggg agatgcctga 300
gaagaggctt gatttgggat ggagaggaag agcttgtgtg attgagaaca tattgtattg 360
ttatgattac ttggggaaga ttagagggtg tgattcaaaa gagangattt ggaga 415

<210> 1223
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-01-Q1-B2-E8

<400> 1223

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 aggaagcatt tttaatggac gcattgggtg gttgcggcgg cgctggtggt ttctggggat 120
 ggaatggctt cgatcaacgg agaaagaaga agtcttccgg tgatagaggt aagaaacgta 180
 attctggatc gtcggattcc gtcgatgtga gcagagacgc cggcggttat cggtttcctt 240
 tgaagcaagc tgtgacggcc ggagcactca ctttcaccgg tgacacgatt gtcagctat 300
 cagggagatg gaaaaagaga accgctctta aacaatcatc ttctgagctt gacgaggggg 360
 aattgtggaa cattttctca agaacatgac tgggattcgt gcgctgcgga 410

<210> 1224
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-08-Q1-B1-H9
 <400> 1224

tcgagggcac attctgatga agcaaacatt tctaacaata tgtcagatag gattgatggc 60
 cagattgtca ccgattctga cgaggatgta gacacagagg atgaaggatga ggagaaaaatg 120
 tttgatactg cagcttttggc tgcgcttttg aaggcagcca ctggtggtgg aagttcagaa 180
 ggtggcaatt ttaccataac atctcaggat ggcacgaagc ttttctctat ggatcgacct 240
 gctggtttga gttcatcggt aaggcccttg aagcctgcag cagctccacg tgcaaaccgt 300
 tccaacatct tttccaattc taatgtcaca atggcagatg agactgagat taacttganc 360
 gaaggaaana aacangaatt tanaaaaatt tgaaaaacce cccttgtna 409

<210> 1225
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-16-Q1-B1-A10
 <400> 1225

ctcgaggteg aagaacgaaa ccctagttcc catggatctc tcttcacgct tctcatcgat 60
 ccttatectt ctcttgatct ccctctccat agcttcggct gagattcgta aatcagagat 120

ccgatccgat gatcgtccaa tcatcccttt agacgaattc ggtttcactc acagcggtcg 180
tcttgagctt gacgcttcca agatctggct ttccaacagc aatcccgatc tcgatctctc 240
caaagtgggc ttctttctct gcactagaga cgcttgggtt catgtgatcc aacagcttga 300
agaagaagag atnacgtgcg ctctacaatc agatctcggt aagcatgtgt tcaacttcaa 360
caatctcaan gggaggagat aagaagcaga ntctccaacg tattcaacgg agaacgaatg 420
cgg 423

<210> 1226
<211> 485
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-16-Q1-B1-A11

<400> 1226
atgatcntga ggttcacaga agactgagac gtcgcntcca cgcgtacgta aantcggaat 60
tcggctcgag ctcatctctc cacatcttga gaganaaaaa cagagcaagt atattagaga 120
tctcatggcg atggcggctt cggagctgt cctcantggg cttggttctt cgttcctcac 180
cggaggcaat agaggtgcc aagnattggn aagcggcgta ggcactggag ctgagagagt 240
tggnangaaa actcttantg tcgctgctgc ggctgctcag cctaagaaat cttggattcc 300
tgccgttaaa ggtgggtggca acttccttga ccctgaatgg gtcnatggct cgctancaag 360
agatttcggg ttcganccat tgggtttggg gaaagacccg gcntttctga aatggtacaa 420
ntaaggctga antgatcaat gggcnaatgg gcnatnggaa ccggttcttg ggattttcgt 480
ccggc 485

<210> 1227
<211> 422
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-16-Q1-B1-B10

<400> 1227
ctcgaggtct cagacagttc caagaacaaa acttgccgct gttcttggtt tccttgctct 60

CCGATCCGAT GATCGTCCAA TCATCCCTTT AGACGAATTC GGTTCCTC ACTGCGGTCG

ttgagcttga aaacaatgat aaacctgctg aatcccgctg actagccggt attctgctaa 120
 agaattctct ggacgcaaaa gattctgcca caaaagatca tctggtgaaa caatggtttg 180
 caattgatgt tgctcttaaa tcccagatca aggatcgctt actaagaact cttggttcat 240
 ctgccctaga ggcaaggcat acttcagctc aggttattgc taaggtaacc tccattgaaa 300
 ttcttcagaa gcagtggcct gaacttggtg gatcgctgct taacaatatg actcagcaag 360
 gcagtcccg c acacttgaaa gcaatcaacc ttggnaactc cnaggctatg tccggtgaaa 420
 aa 422

<210> 1228
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-16-Q1-B1-B11
 <400> 1228

ctcgagcttc gttaatggac accttgggca agttaagatt ggtgacctgg gcttagctgc 60
 aattcttctt ggatcacaga atgcgcacag cgtcatagga acgcctgaat ttatggcacc 120
 agagctatat gaagaagatt acaacgagct tgtagacatt tattcgtttg ggtatgtgtg 180
 tcctaagaga tgcttanegg tgagtatcct tatagtgaat gcaccaaccc tgcccaaata 240
 tacaagaaag ttacatcggg gaagttgcct gactcattcc atctaatacca acacacggag 300
 ggccaacggt ttgccggtaa atgcttggga actgtgtcaa gaagantgcc tgcaaggagc 360
 tcctaacggn nccaatecct tgccgcaant gaagaaaaaa aanttggggc ccctttttaa 420

<210> 1229
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-16-Q1-B1-B12
 <400> 1229

tcgagatcaa gtcatggaga ttacttttt atctagaggc tcctctgttg gatactggcg 60
 tggcgacatt cggtagctga tggatgatgt tcaagctctt aaacctactg tgttttgagg 120

gaacaccacc acactcctcc gcttcttcac cactcaaacc cttcttctc tcttccccca 240
ccgtatcacc aacaatcctc acggcggtta taatcgccgc ctgggttggc tcaaataatag 300
gagtcctcct cttaaacaaa taccttctct tctactacgg tttccgttac ccaatccttc 360
ctcaacatga cacacatggt tatcatgcgc cgcctanaag ctccgccgta atccaatatc 420
g 421

<210> 1232
<211> 419
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-16-Q1-B1-E9
<400> 1232

ctcgagaaat agagtacccg gtgacgatga tgaccacgtt aacggcgaca gtgccggaat 60
ttctaccccc gtcgctaaaa tccaccagag gatatttcaa ttctcatagt gaatttggcg 120
tttcaatctc taaatttagt cggagaagat ttcacaatcc gaccagagtc ttcgccgttt 180
cagatatcag taagctcgtg acggagtttg atccgaagat tccattggag agagcatcta 240
ctccgccgag ctcggtgtac actgatcctc aattctacag tttcgagctc gatcgtgtct 300
tctatggagg atggcaagcc gtaggctact ctgatcagat taaggagaat cgtgactttt 360
tcancgggga aggcttggag atgttaaatt tggtgngtg taaagatgag aatggaaag 419

<210> 1233
<211> 418
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-16-Q1-B1-F9
<400> 1233

tcgaggaaga ggcagatctg ttattctctg ttgaagtctg attgatctga tcggagctat 60
tgccgaggag gggtttactg caattgcacg gtggtaatgg ctgcggttcc gcctnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc cacgtctcaa atatcagagg 240

atgggtggca acgttctctgc gttgctatct aacgatgctg cttcctgcat cgctgttgct 300
gcgaggatga tcgcgcttgg tacgcacgac ggtaccgtgc gtatcctcga tttantgggg 360
aaatcagggt aaagaanttc gtgccacact gctcccggtt aatgacatca actttgac 418

<210> 1234
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-16-Q1-B1-G11

<400> 1234

ctcgaggcgg ttggcaccat caagaccaag cgaactattc agtttggtga ctggtgtcct 60
actggattca agtgtggtat caactaccag ccaccaactg ttgttcctgg aggtgatctt 120
gctaaagtcc agagagctgt ttgtatgac tcaaactcaa ccagtgttgc tgaggatttc 180
tcccgtattg atcacaagtt tgatcttatg tacgccaaac gtgctttcgt tcaactggtat 240
gttggtgagg gtatggaaga aggagaattc tcaagaggct cgtgaggatc ttgcagcatt 300
ggagaaggat tatgaagagg tcggtgctga aggtggtgac gatgangatg atgaaggaga 360
agaatactaa agaaagaatg ttcctaaaaa ttggattttg tgttggggtt tcccgaataa 420

<210> 1235
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-16-Q1-B1-H12

<400> 1235

ctcgagagac gtacttctat ttatcgacaa tatcttccgt ttcgtacaag caggatccga 60
ggatccgcc ttattgggta gaatgccttc tgctgtgggt tatcaacca cccttagtac 120
cgaaatgggt actttacaag aaagaattac ttctacgaaa aaggggtcca taacctctat 180
tcaagcagtt tatgtacctg cagatgattt gactgacccc gcacctgcca ccacatttgc 240
acatttagat gcgactaccg tactatcaag aggattagct gccaaaggta tctatccagc 300
ggtagatcct ttagattcaa cgtcaactat gctacaacct cgaatcggtg gcgaaggaaac 360

aattatgaaa ctgcgcaaca agtnaaacaa acnttacaaa cgtttcaang gag 413

<210> 1236
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-17-Q1-B1-A11
 <400> 1236

ctcgagatct aagggtcatc gtgaactcag tggagtgtt ctgaaccgag gtcccaagct 60
 ctgcaatttt attgaatgga gaggatacaa ggttgtctac aaaagatatg caagcttgta 120
 cttctgcatg tgcattgatg aggcggataa cgagtttagag gtactggaga taattcatca 180
 ctacgtcgag attcttgacc gctactttgg cagtgtgtgt gaactcgatt tgatttttaa 240
 cttccacaag gcgtattata tactcgatga gctgttgatc gccggagAAC ttcaagagtc 300
 aagcaagaaa acagttgcaa ggataaatatc agcccaggat naattggtgg gaatttccaa 360
 aagaaggagg cganttccat aagtaatana aattgctcag gctaacaagt tgtccttt 418

<210> 1237
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-17-Q1-B1-A12
 <400> 1237

ctcgagcaaa aacctaacct aaaaatgctg cggcaaacgc agctttttca tcaacaaatt 60
 tcttcttctc ttgggtaata tagatctctc ggcaatttgc agcttggtcc ccacgagctt 120
 cctctgttca tcatcgctct cgagcttctt ctgttcatca agctcctctg ttcttgaaca 180
 tgcacgaaat cagaggctgt ggcagatgcg aacaaagcaa ttgagttgga tcattcatta 240
 atcaaagctt acctaagaaa agggttacaa ctcaagtgtt ttgagaaaga agatggctaa 300
 agatctcgga gatagattta tctaataaag ttgtggatga agtgaataac ttccctcact 360
 tccaaggnc taacaaaaac cttcggtcct cctcccttgg gattangttg tcaaaagttg 420

a 421

<210> 1238
 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-17-Q1-B1-B10

 <400> 1238

ctcgaggcct cctcgagttc aaataggggc ttcgggagac acttcaaggc aacctcttgg 60
 gaccggtgag atctgatagt aaagcaaaag ctaccgtacg tacctgggtc aacgatcctg 120
 tgcctcctcg agttcaaata ggggatgata gcaaattctc gatctttttc aatgtggtat 180
 tcgggtaaaa taatcacaaa ggaatctgta gtcactggaa tttcaaccct tttcaataga 240
 atacgtttgt ttgtttgttc cactgtaatc tcacggtgtg tcatgttaat gatccaaccg 300
 aaagttcctt aaacggatct cctttgtacc aaaaaactgt ctggtagaac taaaattgaa 360
 ccgataaatg gatgagccgg ttcattgaaa aaaaan 396

<210> 1239
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-17-Q1-B1-B11

 <400> 1239

ctcnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
 nnnnnnctaa caagtttccg gagaggcaac cgatcggaac ttcgggtcaa agtgacaang 120
 actacaaaga gccaccanct gcgcggttgt tccgagcccg gcgagctaac ttcaagc c 180
 ttctgganan ctgggattgc tgantttaaa gctacgtttt tgttcctgta catcactgtt 240
 ttgactgtta tgggtgtnaa nangtcancg aacatgtgtg cttccgtcng aatccaaggt 300
 atcgcttggg ctttcngtng gaagatcntc gntctcgtcc antgcaacgc tggga acc 360
 ggtggacana ttaaaccaac cggttacttc ngtttgttcc taacctagga cttttn 418

<210> 1240
 <211> 418
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-17-Q1-B1-B9
 <400> 1240
 tcgagtgcag aggcatttgc ttgcattgag agagagttgg atttgtcgct agagaccatt 60
 ttctcgtctg tatctcctga gccaatcgca gcagctagtc ttggccaggt ttacaaagct 120
 cagctgaggt attcaggtca ggttggttgc gtcaaagttc aacgccctgg gatcgacgaa 180
 gccattggcc ttgattttta ccttattaga ggagttggga aactcattaa caagtatgta 240
 gacttcatca ctaccgatgt ccttaccctt atcgatgagt tcgcctgcaa gagtttatca 300
 ggagctaaac tatgtccagg aggcccaaaa tgccaagaag gtttaaaaaa ttgtatgcag 360
 atnaagcaga tgttccttgc gcctgaatat aatctgggat acacgagccg caaaggtg 418

<210> 1241
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-17-Q1-B1-C10

<400> 1241
 tcgagttttt ttttttttta aggagaaaga tgtttttaag gcttgagcag agtcnagaca 60
 nnaaatatta agagcacaga ggtttantan agtagataaa tcatcaagct gtgcacaatc 120
 ataatcatca naaacacttc aatctttttt cacagttttt gagcaaaggt tatggggatt 180
 ttgagatcga tttggtggca gaaacatcgc gtaacanccc tccccccctt catctagatc 240
 ctcaggcctc gtccatctgc tcntgcatat cggaggtcca aagggttaaa ttgtccctca 300
 gcanactgca ttatganagt gctgtcnttg taggattcct ctccaagag tgtcaaagct 360
 cagctatggc ctccccaaaa agcccgggtt ggccatgtta caagccttgg nctgaagaaa 420
 ttg 423

<210> 1242
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-17-Q1-B1-D10

<400> 1242

gagaaaatta aacgcaattt attgagaaaa taaaacagc gtgcactatg aagaagacgt 60
 cgaagataca atttcttttc aatctctgca tcatatttgg ggttgtagta ataagaagat 120
 gtaacgcaac gacatacttt gtaggagaca gctccggttg ggacataagc tccgatctcg 180
 agtcttggac ttcaggcaag cgattctctc ctgggtgatgt tctaagtgtc caatactcat 240
 cgacgcatag tgtatacgaa gtggctaaag acaactacca aaattgcaac acaacagatg 300
 cgattcggac gttcacaac gggaacacga accgtttgct cctttccaaa accggggaaa 360
 cccggttctt tgtatgcggg taataaggct ccaattgcct tcgcccggta tgaaggttac 420
 naatca 426

<210> 1243
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-17-Q1-B1-D11

<400> 1243

cgagtctcaa atgaacctcg gaatcataat gagctacttt aatgctagat tcttcaaadc 60
 aagtgtaaat atatggttcc agttcattcc ccaaatgata ttcttgaaca gcttggttgg 120
 ctatctctca gtctcatca tcataaagtg gtgcactggt tctcaagcag atttgtatca 180
 tgtaatgata tatatgttcc tgagcccaat ggacgagtta ggagagaatc aactgttccc 240
 tcaccagaaa acattacagc ttgtgcttct ctttctggct cttgtttctg ttccgtgtat 300
 gttgcttcca aagccgttca tcttgaagaa acaacatgaa gctaggcatc aangncaagc 360
 cgtaagcanc tcttgacgaa gacagatgag aagtcctcaa gtttnaaaca aacg 414

<210> 1244
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-17-Q1-B1-E10

<400> 1244

ctcgagcaat tctccagaa aattcttcca gatgtatcat gtgttgatga tcaaagtagg 60
atgaaaatga tgtaactaaa gagaaacatt ttcataagggg aaggaagaga gagcgggttca 120
atggacagag acagaaagag ggtgaaaatg gagaaggaag atgacgaaga agaaaagatg 180
gagaagttgt acacagtgtc taaaaacgca agggaaatgc ggaaatatgt caacagctcc 240
atggagaaga agagacagga agaagaagaa agagcaaggg ttcgtagatt cccttcgttt 300
cagccagaag atttcanttt catgantaaa gcagaggcca acaacattga aaaagcagct 360
aatgagagcc tcaacatcca accaantata tggctctaag gaaaagcaaa gaangga 417

<210> 1245

<211> 406

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-17-Q1-B1-E12

<400> 1245

ctcgagtgga tggttggtctt agctctcatg tctatgagac cgagacgttt ctcaatgtgg 60
tcccagagtaa agtagctaag aagtgtttga aacgagggga tagtatgtgg ggagcttggt 120
ttttcttttag cttctacttc agaccggcgt tgaatgagaa atccaagtct aaggtcattn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnttt tactggggtt gataaatctg 240
atctcaagct cgatgttttt cttgttcagc atgatatgga gaacatgtat atgtgggctt 300
ttaaggataa acctgagaat gcgcttgga aaatgcagtt gagaanctat atgaatgggc 360
attcctcgtc aaggtagagct ccgtttcccg tttaattgcc gganaa 406

<210> 1246

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-17-Q1-B1-F10

<400> 1246

ctcgagctaa ttttttcaact ttcttcttcg ttgatctctc tgaaagcttc tcttcttctt 60

ctcaccatgt ctggttatcc tccatcangc caaggttang gttacggcgg taatccacca 120
cctcctcagc caccgtacgg atcaaccggc aataaccctc ctccgtacgg atcatccggc 180
agcaatcctc ntccctcgta cggatcatca gntcctcac cgtacgcagt tccctacgga 240
gctcannccg ctenttacgg tgnaccaccg tcancacngt acgcgtctct tccaggagat 300
cataataagc cgcacaagga gaancctcac ggcgctcct acggatctcc atctcncggt 360
ggctacngtg gtcaaccatc gtccggaact ttcgactaag gtgggtacgg angaacg 417

<210> 1247
<211> 403
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-17-Q1-B1-F12

<400> 1247
tcgagccgag gaaaaaatg gcgtctggtt tgatcggaag attggttgga acgaaaccgt 60
cgaaattagc cacggcggcg aggttaattc cggcgagatg gacctctaca ggagcggagg 120
cggaaacaaa agcttctctt ggcggcggaa gaggatcgaa cttgaagact tttcagatct 180
atcgatggaa tccagataat ccagggaagc cagagcttca aaattaccag atcgatctca 240
aagattgtgg tccaatggta ttagatgctt tgattaagat caaaaacgaa atggatccat 300
ctcttacttt ccgtagatca tgccgtgaag ggatctgtgg ttcattgtgct atgaacattg 360
atggatgtta cggacttgcn tgtttgcaaa agantcaaga tga 403

<210> 1248
<211> 418
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-17-Q1-B1-F9

<400> 1248
tcgaggggaag gaaggaagag tgagagatga tgggtatggc gaggaagata agcaaagagg 60
aagttgtaga gaagcttaag gacgacggag attttgatcg tctccgtctc aaaatcattc 120
gccgcctcaa agaaaacgag gatttacgga ataatatgat atcagttgtc aaggagtcaa 180

tttttgaggt tattgtaatc agatcttgat gccaatccg ggtgaaagag atttaagaca 360
anttagggaa tgggtaatac ntgggtgttg accaagcaaa aatn 404

<210> 1251
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-17-Q1-B1-H9

<400> 1251

tcgagttcag atgctgagat ttgggaggtt cttggcaagt gtcaactaaa agaagtgggtt 60
caagaaaaag agaacggctt agattcatta gttgtggagg atggatcaaa ttggagcatg 120
ggacagagac agttgttctg tttaggcaga gcagttttga gaagaagcag agtattagtc 180
ctggacgaag ccacggcatc gatagataat gcaacagatt tgatacttca gaaaacaatc 240
aggcgagaat ttgcagattg cactgtcatt acagttgctc accgtatccc taccgttatg 300
gattgtacaa tggttctctc catcagcgac ggacggattg tggatatgat gagccaatga 360
attgatgaaa ggatganaac tcctttgttc gggaaanctt gtgaaangag tattgggc 418

<210> 1252
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-18-Q1-B1-A1

<400> 1252

ctcgagcgaa aggaaaaaat acagaaatgg gtggtttgaa gtttcatgta cttatgtatc 60
catggttcgc aacaggccat atgaccccgt tcctttttct tgccaacaaa ttggctgaga 120
aaggtcatatc ggtcactttt ttgattccca agaaagctct gaaacagttg gaaaatctca 180
atctgtttcc acacaacatt gtctttcgct ctgtcaccgt ccctcatgtg gatggctctc 240
ccgttggcac agagacaagt ctctgagatc ccgtgacatc agctgatctc ttgatgtctg 300
ctatgggatc tcacacgtga tcaagttgaa ngtgtgggtc gagccgttgg aaccggacct 360
gatcttcttt gacttcgcnc attggattcc aaaggtacca aanactttg gccttaaaaa 420

<223> unsure at all n locations
<223> Clone ID: ARABL1-18-Q1-B1-B12

<400> 1255

gagggttctag atcgcgagcg gccgcccttt tttttttttt ttttaaagaa acaaaaaatt 60
aatagattcc atctaaaaaa aattggggtt tgctcactcc cttttctttc acatcacaaat 120
gaaaaaacia atattaatgc aaaagtgatt caataaccct acaaaccgtt cgtttggggg 180
tgattttttt agcacttggg gaaaaattga attgttttagt ttgtgttttc caaactgata 240
agagctcttt tcttgtttta aggtttgagg gcgagggcga gaccaagctt tggatgaagag 300
gtcacagcct ttgagtcata ctgagctgag aaagtgatgt gcgacttcgg tctccaatct 360
ctctggacca acatccctgc tttccactg ttanaaaatc cg 402

<210> 1256
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-18-Q1-B1-B6

<400> 1256

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnccgc 120
tggacgtcga aacaacctgc ctggtccaaa cctcagaaga cgatgtaagg tcaccgcttc 180
acgggctaatt attgaacaag aaggtaacac agtgaaagaa cccattcaga atattaaagt 240
aaagggatac ataacggggc aagaaagagt ttctggaggg cataacttgg tccanaagtc 300
ctcgatgaca tttgctgata tccgcggnaa gattaattgg ctctccaag ctttattaag 360
cgccaagact ggaacaacgg gattacggta gaaagactac gcacaacgtn gtatgggggc 420
cgaagc 426

<210> 1257
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-18-Q1-B1-B8

<400> 1257

ctcgagcaca gaaattgcct tcactgagaa cgtggaccag cgatttgaag cccttggatg 60
gcatgttatc tgggtgaaga atggaaacac tgggtatgac gagatccgtg ctgccattaa 120
ggaagctaaa actgttactg acaagcctac tttgatcaag gtcactacta ccattgggta 180
tgggtctccc aacaaggcga actcatacag tgtccatgga gctgcacttg gcgagaagga 240
agttgaggct accaagaaat aaccttggat ggccgtatga gccgttccag gtacctgacg 300
atgtaaaaag ccaactggagt cgtcatacac ctgaaggagc tactcttgaa tctgactgga 360
gtgcaaagtt tgcagcatat gaaaagaagt acccaagagg aagcttctga g 411

<210> 1258

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-18-Q1-B1-B9

<400> 1258

ctcgagggag aaacctctcc tctctctatc tatagccatg gctgctttca cttgtacctc 60
tcgtcctccg atttctctcc gctccgagac cagaatcgta tctcatcac catcggttc 120
ttctctctct tctcggegga tgttcgccgt cttaccggaa tcatcagggt tgagaatccg 180
tctttctctc tctccggctt cgttgacctc gattcatcaa cctaggggtt ctcgattacg 240
aagagccgtc gtctgtgaa gctcaggaaa ctactaccga tnttcantgg ggncaangan 300
tcnacatggg gancncaagt tctnaaangn aantggggcc tgtanttgtc nacttttggg 360
cccatgggg nggggacctt gcaaatatga tnnattccgc ttggtaaaca tat 413

<210> 1259

<211> 414

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-18-Q1-B1-C10

<400> 1259

ctcgagagat tcttcaaaag agcaaaanaa tcaatggaga gagcaaagtc gaggaagcct 60

catatcatga tgataccata ccacttcaa ggtcacgtta tcccttttgt ccacttagcc 120
atcaaaacttg cttctcatgg ctntnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnngcc ggtgacatct tctccgccgc tcgcagctcc 240
ggccagcacg acatacgtta caccaccgtg agcgacggct tccctttaa ctttgaccgg 300
tactgaanc atgaccagtt tttcgaangn attctccacg tctctctgcc cacgtgggat 360
gatctcatcc gncaaactct cccggcgtga tgaatcctcc cgtgaanttgt cttg 414

<210> 1260
<211> 409
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-18-Q1-B1-C12
<400> 1260

ctcgaggata ttttctctta tctcttctct ttgttcgac aaaaattcaa ttttcccgag 60
atTTTTgttt ctctcgatcg attcaacacc taaagattga agcttttgc cgtgggttat 120
gtaaagtttc cacctttcgt cttctttctg atctgtgagc aaaaatggga caacagcaat 180
caaaagggga attgctgtat cagcaagtta gttatggtaa ctctgaagga attcgagctc 240
ttcatcgaga tgggtggagac cttgagtggg tggatagaga aggaaaaact ccgttgatct 300
tggcttgtat gaactccgag ctatttgatg ttgctaagac tttgattgaa ttgggttcta 360
actgtnatgc ntaaccgtcc tgggtccgtc aaggcnggga actcctcct 409

<210> 1261
<211> 418
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-18-Q1-B1-C5
<400> 1261

ctcgagtgat gaaggagaaa gtaccaacta aggacttgta tttgaatcta aagtcacg 60
acacatgggt cgctgaatat agaaagtggg tggacaaagt tggcatggg atgccttacc 120
atttcgggca taggaccata tctctcccca aagtcctcct tgcgtggaa catgccccgg 180

cagggctcat tgcagctctc tctgcttctt accctgcaaa aggcnagaatt gggactatgc 240
atcntcccaa tttgggtaac cgggtacttc atacatanta atcaattgta caagctgcaa 300
caacgtgatc aaatcctttg aactctggaa aaatanctc cnggncaang ggaattggat 360
ttgaacggnt tgggcaatcc nggnngntta ctaaacattg gaaggctgtc ccggttaa 418

<210> 1262
<211> 418
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-18-Q1-B1-D1
<400> 1262

ctcgaggaag aaagaaagat ctctcgggtg tggtcattca acattgtaag atcttcgact 60
tggcaaaatt gtttcacttt cgctctaaaa acttcattct cactttctct cctcctccat 120
ggcggacggt ggggctgaac ctccagctcc accatcatcg ataaacgccg gtgaatttct 180
cttgtctatt ttgcacggaa gtccttcgcc gtcgtcaciaa ggtcctcaag catcatcaag 240
tcattcgctc tcgatncaac catcgcaacc attgggtcct aacgtcaata atccttttcc 300
tccgtcnaat tggnaatcca acgggcatcg aaccaatnat caaaaccctc ctctctgggc 360
aatccccctt tcaactctc aaaatcctt ccccaaattc ctaagggttc cccaaatt 418

<210> 1263
<211> 413
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABL1-18-Q1-B1-D10
<400> 1263

ctcgagccgt tctatatatt tcccaaactt agtgccactt agacacaata agaaaaccgt 60
taacaagaag aaaaaaaaaa gatcgaaaat ggaatatcaa actaacttct taagtggaga 120
gttttccccg gagaactctt cttcaagctc atggagctca caagaatcat tcttgtggga 180
agagagtttc ttacatcaat catttgacca atccttcctt ttatctagcc ctactgataa 240
ctactgtgat gacttctttg catttgaatc atcaatcata aaagaagaag gaaaagaagc 300

<223> unsure at all n locations
 <223> Clone ID: ARABL1-18-Q1-B1-D4

<400> 1266

cgagaaaaaa aaaaaaaaca agtctaagca ttaaattgag aaaacanang tacattatcc 60
 gtacnggntc cggtcagatc taattattaa ncgcattccnc ctgggagcaa acccgacccg 120
 ggaactcgct aagtcgtata caaccggaa accctgttgc tggatattcc caattatgga 180
 taatccgccc atcgtaccgg gaaacncaaa acaaaacttn ccgttgggan ccacagggat 240
 nangnaattc gncgccggaa gtgatacgtc agtccacgg aaatgtaaaa ncaccgtcgg 300
 tactttaacc tcgttcatat tggagagatc gaaacacgtg tcnaagagtg agaaatccgg 360
 agtcntttc aatgtcntag ctcccgancc gggaagcgtc tctcaaanca ata 413

<210> 1267
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-18-Q1-B1-D5

<400> 1267

cgagtgaagt aatccccgaag tcaactcatg tttgtagagg atggagagct gcttggtgcg 60
 atccgattct ttggaagacg gtggatttgt caaacatgag atctagtttc atcaagatcc 120
 cacatagaca taaggctcta atgggatctt gaaactctcc atgaacctta gcggaggaag 180
 cacgaggacc ttgatttttc atttcaactt gttcttgagt gatgatcagc ttacttacac 240
 cgcagaaagg tgtccanggt tganacgggt cgtcctaacg gcttgggaaca aaataaaaga 300
 aaactggtat atgcaaagcg ataagaaacc ggaaaagatn taaaagtccc taaacaattg 360
 ccaagccatc cgcaaaccgg ccntaaccct ntaacagaaa nttgccaaga actgcaa 417

<210> 1268
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-18-Q1-B1-D8

<400> 1268

tcgagcggct cgagcggctc gagcggctcg agtnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnng ggacatggac gccattgatt ccgtcgtgga tcctcttaga gactttgcca 120

aggacagcat tncctcgtt aagcgttgtc ataagccaga tcgcaaagaa ttcacgaaag 180

ttgcagtccg tacagcaatc gggttcgtag taatgggatt cgtgggattc tttgtnaanc 240

tcatctttat tccaatcaac aanatcatcg tcggtgctac ntanattaca aagggaanat 300

aaangatgga gaagggtant tacaactttg ttgttttcat ganagacact tcacaatttt 360

tttccttttt centgttcaa nataactcata aaagaaggaa acattttgtg aacc 414

<210> 1269

<211> 406

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-18-Q1-B1-D9

<400> 1269

ctcgagggag aattcggat attagaagg agatcatttg cgttgataca cccaattgtg 60

atgggaggtt tatttgcata cactctttgg actggttact taggttgga atggagacgt 120

gtccgtacga tacagagtga gattagtgat ctcaagaaac agcttaaacc aactcctgtt 180

tcccctgatg gttccacagc cgttgattct tcgtcgctc cttctacgac tgagcttcag 240

atccaacggc taactgaaga gaggaagag ttggtaaag ggtcttacag agacaaacac 300

tttgacgctg gctctgtttt gttaagtttc ggtgttttg aaactgtctt tgggtggtgtt 360

aacacttaac ctcggtactg gtaaactcct ccccggtcct caacct 406

<210> 1270

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-18-Q1-B1-E1

<400> 1270

tcgagttcca agcagagatg acggtgaaga taaggctcgc gcgtcttggt tgtaaacacc 60

gacccttcta tcgtgtagtt gtcgccgatg aaaaatcgcg cagggacggt aaacaaatcg 120

aggtgtagg cttttatgat ccactccaag gcaaagaaga tgcggataga gtgagcctca 180
 aattcgacag aatcaagtac tggttatctg ttggagctca accaacagac acagtggaaa 240
 gcatgctttt caaggccggt tttgatacca ccaaagccct aatggtaatg gtccggtccg 300
 aaaaatgggc aaaaatccaa cgaanaca tgtttcaacc attacanggt gaaatccttg 360
 aactaagaat gttgatgcct ttaagcaaaa aaaaaccctt tgtgtccngg tg 412

<210> 1271
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-18-Q1-B1-E10
 <400> 1271

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 tcagtggacg aggtcggagg ataagatgtt tgagcaagct ttggttcttt ttcctgaagg 120
 atctcctaata cggtgggaga gaatcgctga tcagcttcat aaatctgctg gtgaagttag 180
 ggagcattac gaggtcttgg ttcattgatgt tttcgagatt gattctgggtc gagttgatgt 240
 ccctgattac atggatgact cggcggctgc ggcgggcggg tgggattccg ctggtcagat 300
 ctcttttggg tctaaacatg gcgagagtga acgcaaaaaga ggaactcctt ggacagagaa 360
 cgaacacaaa ttgttttctg atcggattaa agagatatgg gaangg 406

<210> 1272
 <211> 366
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-D2
 <400> 1272

gttttgtttc aactattcga tcaaaacgat accctgtgac cgccttccaa tggcatccag 60
 agaaaaatgc attcgaatgg ggatcatctg anatcccaca ctctgaggac gcaattcagg 120
 tgactcaaca tgctgcaaat tatctagtca gtgaagccag aaagtcaatg aacagaccat 180
 cttctgagaa agtgctgagc aatctcatct acaactacaa gcctacgtac tccggatata 240

aaggagcgg tgacgacgag gtttatattt tcacgtaaca aagatccctt ctctgtgtg 300
 ttttcgcaa aaacatagca atttatatta nttactaaaa anagnnggtc naangnaaaa 360
 agggcc 366

<210> 1273
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-D6
 <400> 1273

ctcgagcaga tataaaaacc ctagatttct tctcttaaaa ccacatcga atctcaactc 60
 agaaccaaca atgctccaac ctttctcttc ctctctgtt ttctcgagaa tcctctggac 120
 tttcttggtt taagaagatt cggtgttgaa tcagagagaa agaaagcatc ctttttcta 180
 tcattgcttg cttgctatgg aattgggtaa atctcgattc tacttatgtt gcaattgctt 240
 ttctctgtt agattttccg attattcttt agctggaagt gattatccag acgccatctc 300
 catcactttc aattgtattc ctataccttc tccgaagaat cctcgtaatt cncgaatcga 360
 tgttataaac ttcaaattcn cctccaaatc ctgaaacga 399

<210> 1274
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-D7
 <400> 1274

ctcgagccga gtaggacgtg acaccgagaa agaagggaag ggatactttg aggataggag 60
 gccagcttca aacatggacc cttacgttgt tacttccatg attgcagaga ctacactcct 120
 ctggaaccct tgaaaggatg atccgtaact cttgaagttg cttctgattg ggtttttttg 180
 aagttccaag cttgtctttt ctctacagtg tgtattaagc aattgtaccg gttgacactg 240
 ccggagtttg tgatttgggg ctttcttttc ttttctntct ttttataatc ctttgggggtt 300
 cctgtgggta agagcaaatt ccnggtttgc ccngttgttt gacnttaatt gaaaaccttt 360

ggaattggta acnaataana caatcctgaa aaaggctcct caagtttcaa atgg 414

<210> 1275
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-D8
 <400> 1275

ctcgaggcag cagctcagag actgggagca gttgatctct gcggatggta tcttcactct 60
 cggattcttt acacctaaag actcatctac ttccgaactc gggtcagctg gtcttagata 120
 tcttgggtatt tggcctcaaa gtattccaat aaatctagtt tgggtgggta acccaaccga 180
 atcagtttct gattcatctg gttctctatc cattgacacc aatgggggttc taaagataac 240
 acaggcaaac gctattccaa tcttgggtgaa ccaaagacca gccgcgcagc tttcattggt 300
 cggaatgtg tctgccattt tactcgatac ggggaacttt gtgggtccga gagattaagg 360
 ccaaggaagg agttccgggt ccgtgttcna ttgcaaaa 398

<210> 1276
 <211> 379
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-E5
 <400> 1276

ctcgagcaaa accttctcat gtcttcttct ctctcgacc tttgaggtgg aaaattaaat 60
 atattccctt agnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnc taatttcctt gttgattcat cgactagatc taattcttct cacaaaagac 180
 tgagtgtgtt ctttctttca aatctttcaa aaactagggt ttttactgtc ttgaaatcat 240
 angattctt ctanatttag canaaagagc acgatttact ttccattnca ntcgtcttgt 300
 nactctctct ctcttcttta aagtctnccc tttttagcan ggattctctc tctcacaaaa 360
 attattccaa agggnttct 379

<223> unsure at all n locations
<223> Clone ID: ARABLI-09-Q1-B1-F1

<400> 1279

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attgcaatgg tgaccagaac ttagaagcaa accttctaga tcatgaggaa actgaatcat 120
tttcagtacc tcaaacgaag aactgtaaga ggtggctccg tgtctccata tacgcaatct 180
ttgtcatctt ctgccaaacca cttgctacag ttctgggtag actgtactat gaaaatggag 240
ggaaaagcac atatgtggta acacttcttc aactcattgg cttccctgta ctgattctct 300
tccgcttctt ttctcgaatc angcaacca aatcaacaga taaaaatttc aatcaatccc 360
cctccttnaa caaccttgca tcggtttaac tggggcactg gactgct 407

<210> 1280
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-09-Q1-B1-F10

<400> 1280

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ggggatgctt tctactctct gtttggtttc cttcattgtg actttctatt ttctgggttt 120
gtttcaagtc atgatttttc cgataccctt ttgatttttc ttgctatttc tcacctctgt 180
ataagcaagc tctctgctgt ttctcctcat ccaagttggg tttatcagtt cagctgtgta 240
gaaattcaat cgtctgagaa gtccgaggtt tgatgtctga tggttttaag atcgaaagga 300
tttgactttt aacanattaa gtaatgagat tagattgttt ttgaaggta atggaatcaa 360
gattntgatg ccanttcctg gtgaaagaga attaaagaca agttaaggaa tgggtaatac 420
ntgttggttg gacca 435

<210> 1281
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABLI-09-Q1-B1-F11

<400> 1281

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 cctaatttcg aatctctttg ctgatttggg gagatctcaa tttcgaaaag aagatgacga 120
 aggatttcgc agttccacct gtagttttcc cctccggtgg atcttcangc ggtgctaata 180
 tccancaacg aagattccca gcgacaacgt ttnaaanccg cggtttcctc ttttttcgca 240
 aacccttca agtcaatcga cattggnttt cgcaaaccg ttttccggtg aaaatggcgg 300
 gagcaattgg ggggaaaaan gntccncnc nncctttngg gggggggtca acctccttnt 360
 agaatanggg gncattttnc aannagatcc ggatccancc nattaataaac tggggaaaaa 420
 an 422

<210> 1282

<211> 471

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABLI-09-Q1-B1-F12

<400> 1282

agnagcctat agatagaaat gacgtcnnan gcacgcgtac ataancctcg aattcggctc 60
 gagagaaacc tgtctgattt gctccgtcgc ctaaaaagtc taaaacccta agtgtctccg 120
 cctcgtagct ttacccgatt caacgaagag tgaattcgcg tgagctcaag cagtatcgaa 180
 atctaccaat catggcgagt caaacaccga atctcgagtg tcggatgtac gaggcgaaat 240
 acccagaggt ggatatggcg gtgatgatcc aggtgaagaa cattgccgat atgggagctt 300
 atgtttctct cctcgagtac aacaacatcg aaggcatgat ccttttctcc gagctctctc 360
 gtcgtcggga ttcgaaatgt tagcantttg attaaggctg gaagaattga ncctgtcatg 420
 gttctccgtg ttgacaaaag agaaangtta cattgatctg agcaaaactta a 471

<210> 1283

<211> 404

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABLI-09-Q1-B1-F5
 <400> 1283
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 cgtatgcgtg aagcaggggt cattaaagga gggtctcttg ataacgccat agtttgtagc 120
 gctgagcatg gatggatgaa tctctctctg cggtttgatg atgaagcatg tcgacataag 180
 attcttgacc taatcgggtga cctctccctt gtttcacggg gcggaaatgg aggactcccc 240
 gtggctcaca tagtcgcata taangcgggt catgcactgc aactgactt agcacgtcac 300
 cttacatgga ctgaagagta tgtgctcggt gtcaaccata tcccgcaaaa agccttgatt 360
 gttccgggtc cttttgggat ccttaaccaa aagatggtaa caat 404

<210> 1284
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-F7

<400> 1284
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 gaatgatttg gagagcctaa ctgggaagta tgataccgtt gtatgtctcg acgtgttgat 120
 acattacccg cagaacaaag cagacggaat gatcgcatat cttgcttctt tagcagagaa 180
 gagagtgatt ctgagttttg ctccaaagac tttttactat gatattctaa agagaattgg 240
 agagcttttc ccagggccat caaaagctac aagggcgat ctacactcgg aggcggatgt 300
 ggaaagagcg ttgggttaaag tcggctggaa aatcagcaag agaggactca ctaccacaca 360
 gttctacttc tctangctca tcgaagctgt tccaatgtag acca 404

<210> 1285
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-G10

<400> 1285

ctatagaaca gacatgacgt cccanncacg cgtacataa ctcggaattc ggctcgaggg 60
 ttaacgctac agttgcgaga aacattgccg gcatttgtgg aaatgtcatc tccttgttct 120
 tgttcttata tcccatacct acgtncataa ccatatacaa gaagaaaaag gtggaggagt 180
 acaaagctga cccataactta gccacgggtc taaattgcgc actatgggtc ttttatggct 240
 taccaatggg tcaaccagat agtctccttg tgatcaccat aaatgggtacc ggtttagcca 300
 ttgagctggg gtatctcgct atcttcttct tcttttctcc aactagtcgc aaggtgaaag 360
 tggggctatg gttaatanga gagatgggtg ttgtangaat antaaccaca tgcacattgc 420
 tattgttcca cacacataac cagagatctc ctttgttga atctt 465

<210> 1286
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-G11
 <400> 1286

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 tccccatctc caatgggttc caagaaggcc aggaacgac agaagaccta gatgagtaca 300
 tggaaagagt agaatccagc atcaaaaacc gcttaccgaa gttgatagaa gacatgaaac 360
 tatcgggaaa tcctcctaag ggctcctgtg tacgactcca ccatgccgtg gcttcnnga 420
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 <223> unsure at all n locations
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 <400> 1287

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 agggcggccg ccgactagtg agctcgtcga cccgggaatt aattccggac cggtagctgc 180
 aggcgtacca gctttcccta tagtgagtcg tattagagct tggcgtaatc atggtagatg 240
 ctgtttcctg tgtgaaattg ttatccgctc acaattccac acaacatacg agccggaagc 300
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 tcactgcccg ctttccagtc ggggaaacct gtccttgcca actggcatta atngaataccg 420
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<210> 1288
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 1288

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 actgctttac caaacactcc cattcccaac tctctccata atcttttgac tttcgatttt 180
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<210> 1289
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
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agagtgggac acaagtcacc acagcaacaa tgatcaacat gaccaatctg cgactacttc 180
ttcaaagaaa catgttccac cacttcactc tcttgagttc atggaacttc agaaaagaaa 240
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aatgagaatt gcggcggcag cctttgaagc ggcggttgg nctaaggang ggcaaagata 360
tacactggcg tttagcgtcaa nggcaatgtc aaagacactt tcggtgttta 410

<210> 1290
<211> 414
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-09-Q1-B1-H10
<400> 1290

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cttcactagt tgacttttcc tctaaagaag gagatattga agcagttctt aaggacattg 180
caggaagagc tggtagtaag gaggggttta gttacagcag gttcttcgct gttgggctct 240
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ccctaaatat caacaaagaa aaaccttgat cgggaactgg atgtgttanc gtaacctgnc 360
ttcaaaacct gtcaaaccac aggaattgcc taaaggagta ttcaaaaagg aana 414

<210> 1291
<211> 408
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-09-Q1-B1-H2
<400> 1291

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tctgcttcac tagttgactt ttcctctaaa gaaggagata ttgaagcagt tcttaaggac 180

attgcaggaa gagctggtag taaggagggg tttagttaca gcaggttctt cgctgttggg 240
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 gcatccctaa atatcaacaa gaaaancctg gatnnggaac tggatgtgta acntnacctg 360
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<210> 1292
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
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 cgcacctctg cgcagggtgtg ggggtggcctt gaagtgggtga cttcactctg tcttccaagg 240
 atttctctag cttctatcat ttggaggctc cgtcgtgttt ccgagggtct tacccttgat 300
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<210> 1293
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-10-Q1-B1-A1
 <400> 1293

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 tgatccgcaa aggcgtctca aaaaacaaac tcatcgctga cttcaacgcc actctcaaac 180
 gtggcaagaa cctcatgttc caccaacgtc gtcgtgtcca cgccgggttc accgcctcag 240
 ccgctctaaa cgctacttca gccaccgct catcgcgaca agagtacgag tttagctgca 300
 gcaacactcc aaactattca ttccctttct ctaatatggc tttcatgagg aaaaagagtc 360

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<210> 1294
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 tgggtgaagct gtttctggag ctaagttcga tgagctttat cgggtcaagct gggctatgga 180
 tcattgtgtc aacgaaggcg aagtcacaaa actcaagctt gacaattact ctggagctgg 240
 gtttgaatca agaagcaaat acttgtttgg taaagtctct atccagatta agcttggtga 300
 ggggtgattca gcaggaacag tcaactgctt ctacatgtct tcanatgggtc cgaaccacaa 360
 cgaattccat tttgattcct aaggaa 386

<210> 1295
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-10-Q1-B1-A2
 <400> 1295

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 caaaaatcag aagcagggca ggctaaagaa gaagactttg ccgagaggga cttcagaata 180
 tcaggctgct tggattgttg atgagnacag atgaatagga ttccgataat ggtgattctg 240
 atgataatgg tatggtattg gatataggag aggattccaa tcaagaagga atgtatgacc 300
 aaagaatttg aggatgacgg aaaatcattg aacctgcggg ataatgatac tgaaactcaa 360
 gaatgaatcc caaatggttg acgatgaana cttgacagaa gaacaaanta aaggatgaaa 420
 t 421

<210> 1296
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-10-Q1-B1-A3

<400> 1296

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 ctctttatga agatcaagcc ggcctcactg attggcacca aaggtacatt gggaaagtga 180
 agcatgcagt attccacact caaaagactg gaagaaagcg tggtatcgtc tcaaccgagg 240
 agaatgttgt tgcttcactt gatctcagac atggggagat attttggcga catgttctcg 300
 ggacaaagga cgctatcgat ggggttggtt ttgccttggg gaaaatatgt tatcactctt 360
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<210> 1297
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 1297

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 cccacctgct caaggagggt accctctca aggttaccca ccacaacaag ggtatcctcc 180
 agctggaggc taccacactg ccggatatcc tctgtgtgct taccctgctg cgcccgggtg 240
 ttatcctcct gcacctggag gttaccctcc tgctggctat cctgcacctg gagctcacca 300
 ttcangacat tctggtgggt ggactcggag gcatgatagc aagtgcagct ggtgcaaccg 360
 caagcagctt atgggagctc aacatgttgg tcacgcctct cacaaccct tacgggcatg 420

<210> 1298
 <211> 413

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<212>      DNA
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<223>      unsure at all n locations
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atgaaaggag aacacaatgc agcctgctta tctcgtctta cagccttttg gtantgttcc  180
tgctgttggt gacngtgacg acaaaatctt cgagtcctcg gcngtgatga ggtacctacc  240
tgacaagtac aggtcacang gacctgatct tntggggaaa accggttgana acagangtca  300
agttgaacaa aggcntgatg tggaagcgac caactaccac ncaacgctaa ttgnacttaa  360
cgcntcacat aatgttcgca tcagtcatgg gaatcccatc tgatgagaag ctg          413


<210>      1299
<211>      413
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
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agggtggacat taccacctg ctcaaggagg ttaccctcct caagggtacc caccacaaca  180
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tgcgcccggg gggtatcctc ctgcacctgg aggttaccct cctgctgggt atcctgcacc  300
tggagctcac cattcaggac attctgggtg tggactcgga ngcatgataa caagttcagc  360
tgggtgcanc gcagcanctt atggagctca catgttggtc acgcctctca caa          413


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<212>      DNA
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<223> Clone ID: ARABLI-10-Q1-B1-B7

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ctgaccctta tggttggcag tttgggtgga agaaaatgga taagaaagct aagaaaatgg 180
aacgtttcat atcatctaata gctagtctct accaggagac tgagattctt gctgatcttg 240
aacagacttt caagagaaatg aagagcaatg aatctgctac tgacaatctt ttggagtatc 300
agaaaaaagt tacatggaaa agacacgaag tgaagaatct gcgggatgtg tctctttggg 360
aaccgtactt atgactatac cgtcattctc ttgggttagat nagttttcac aat 413

<210> 1301

<211> 415

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABLI-10-Q1-B1-C1

<400> 1301

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gcgcggttga acgcagcgta cacggcggag gaatttgagt ttacctctc cgattcagat 360
tcaaaagcta ttgttaacct cttaaagaagg gaaacgcacc ggctcaaaga aacaa 415

<210> 1302

<211> 392

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABLI-10-Q1-B1-C11

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<210> 1303
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 caagtgatgt cgataatagc agagcgcgat gcancgattc agggagagaa atctggngat 360
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<210> 1304
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-10-Q1-B1-C5

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 gcgatcgaga cggacgcgcg tggatcgcac gcgaaagttc gtgtgagggt gtattatcgc 180
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<210> 1311
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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 tgatggcggt gggtttcaat ccaaagcttg cttaattaag atctaattcc aacctatcct 360
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<210> 1312
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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 aaatcgacga aaagatacag cagattgttc cagctctcct gatatgtcac ctccggtacc 240
 tcataaacca gccgatctcg agtttgcaaa ggctgaagca tagtgtgtct ttgaaggaaa 300
 atgactctct acacanacaa ngtagtgaag actccatggt aagctcaaaa catgccctac 360
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<210> 1313
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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 atcgaagatg aatatgattc agcgattcat gcaatctatg gcaaagacgc gtggcctctg 180
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 cagttcacta tcganaactt gcatcagtat atggtgga aaatgtctggaa taangangtaa 360
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<210> 1314
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: ARABLI-10-Q1-B1-D9
 <400> 1314
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 gatctcaaca gtgcaacctt ggaagcagat gtagatgttg ttgtgtcacc tccatttgtc 180
 tacatcgacc aggtcaaate ctcgttgaca gaccgtattg acatatcagg tcagaactct 240
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<210> 1315
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 1315

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 agatgacggt gacgaagacg acaataataa caattctgaa gataacaaag ctttttggca 240
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 tagacaagct acaaaagaag cggttgaaaca agttaaatct aagggtcttt attgtgtttg 360
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<210> 1316
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 cattgcaaga acatgtgctg cctcaactgt ttgggccgca tttantcggg ccattaaggt 360
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<210> 1317
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 1317

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 caatcgacga tttgctggcg tttgcgaccg caaatggcag ctccgtcgca aacgttttagc 360
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<210> 1318
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-10-Q1-B1-F8
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 aaaaatagct ttgaacaagt tttctcaata gtcaacaaaa acaatggccg ttgaagctca 180
 ccatctaaat cctctgttct cttccaacag agaaatgatt catcccgttg aagcaagcgg 240
 tgtagtctat aacaccaga tgagatacgg caccgttccg acgtttaacc ccaccgtgga 300
 atgtcaaact tctctgttta acccaatcta caacatctca acaagtcgat cgtttggttc 360
 atcaatccat gaaaccaacg atacaagtcc gttgatagtt ctctcacatt caacaagcga 420

<210> 1319
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-10-Q1-B1-G1
 <400> 1319

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 cgaatgaatc aggcgttcaa gggctgggag gaagtgttaa cggatgcatg ttgggctctc 120
 tcttaccttt ccgatggcac aatgacaaa atccaatctg tcattgaggc aggtgttggt 180

cctcgactcg tcgagcttct ccagcatcaa tcaccatctg tgcttattcc tgcccttcgt 240
 agtattggta acattgtcac tggagatgat ctgcagacac agtgtgtaat tagtcatggg 300
 gcacttctta nccttttgag ccttctgact cacaatcata aagaagagca tcaaaaagga 360
 agcttgctgg acaatctcaa atatcactgc tggaaacagg gancagattc ag 412

<210> 1320
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-12-Q1-B1-E7
 <400> 1320

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 gcaacccggt acaccgaacc agcgaaccag agttcccggt agtcaattcg cgccgccgaa 120
 ttatcagcaa gctaattgta acctatctgt tgggaggcca tggagcactg gtttgtttga 180
 ttgtcaagca gaccaagcca atgccgtttt gaccacaatt gtaccttggt taacatttgg 240
 acaaatagca gaagtgatgg atgaaggaga gatgacttgt cctcttgga ctttcatgta 300
 cttattgatg atgccggctt tatgctctca ctgggtgatg ggatnaaagt atagagaaaa 360
 aatgaggaga aaattttaatc cttgtggaag ctccatattc agattgtgcc agtcatgt 418

<210> 1321
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-12-Q1-B1-F3
 <400> 1321

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 cagaagaatc ctctnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnacaacac tagaggaatg ggtnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

caatggt

427

<210> 1324
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-12-Q1-B1-G3

<400> 1324

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cggttctggt ttcggtgtcg ttctcgcaac acataacgct gattcgggga gacttgcgctc 120
gaggaaagcg agtgacctcg ggatcgngaa ncagaacggg aagatagagt ttgcacagnt 180
atatggtatg tcagatgcat tgtccttcgg gttaaagaga gcagggttca atgtagcaa 240
gtacatgccg tttggaccg tgcgaaccgc tataccgtat cttctccgac gcgcttatga 300
gaaccgggga atgatggcca cggggagctc atgaccgtca actcatgang gatggaactt 360
aagaggagat taatcgccgg gattgcgtaa agagaagagt atggagccat taaatgaaaa 420
ttgggaaatg tagatgaata aatttcctcc tatgtagttt aagaaaattg a 471

<210> 1325
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABLI-12-Q1-B1-G6

<400> 1325

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atggctgtcg gagcatctca accttcagtg gttgcaacta aagacggccg cattggcatg 120
aaaaaccaga tgcaggtgaa tgtgacggca gatcatcgtg tcatttatgg tgctgatctt 180
gcacagttct tgcaaacatt ggcaagcatt attgaggacc caaaggacct tacattctag 240
gccaaattac tgcttttcgc atcccaagtc ttctctgctt ttgattccat gggaagcttg 300
tatttctgcg gtaatcagtt tccttgatag aacaaacctt ttaaagatta aacataatca 360
tttctttggt tgagatatat cctccgcaac attttctgca tggaaaaggc cgtccca 417

1. The first step is to identify the problem. In this case, the problem is that the company is not meeting its sales targets.

<400>	1326
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<210>	1327
<211>	418
<212>	DNA
<213>	Arabidopsis thaliana

<400> 1327

<210>	1328
<211>	425
<212>	DNA
<213>	Arabidopsis thaliana

<223> Clone ID: ARABLI-13-Q1-B1-A1

<400> 1330

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120
caaaactcgac ggtggttttcg ctttgtcaat tcgagcttac atagagaaac caaaactctt
180
ctccaccttc gctaacaaag tcatcggttc tcttcccggt atcggactcc tcgctcgaat
240
tatcagcgat gaaggcggcg ttggtagaga tctcgtcgat ttcgctgagt ttaggaaacg
300
agttgggaat aaatgtactc ctgatgantic taaggcttct aagagtttca acaacgacga
360
agnaangnaa gtgaaccctt ggangtgcnt cngtggttgtt gggttgctgc aataggtgca
420
ngt 423

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<210> 1331

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABLI-13-Q1-B1-A10

<400> 1331

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120
cttccgatga gttcgtttcc atcgtctcct tccagacttc tgcaatggga agcagtgggtg
180
gatacaggaa aggtgtgact gaggccaagc ttaagggtggc cattaatgga ttcggtagga
240
tcgggaggaa cttcctgaga tggtggcatg gtcgcaagga ctctcctctt gatatcattg
300
ccattaaaga cactgggtgg cgtcaaacia ggcttcccaa ttacttaaata acnaactcca
360
atccccgggn aacctttgaa tgctgaatg tccaaaacct ttctgggaga anaactg
417

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<210> 1332

<211> 493

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABLI-13-Q1-B1-A3

<400> 1332

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attcggctcg agcgaatttc tcgtagattc aaattggggc tnnnnnnnnnn nnnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnnn nntctgtttc tgaatcaaca gctttgcttt gtctcaaaga 180

gctttatctt cttctctatc gttccaagat ccttggtgat tactgcgctc aatctagtaa 240

gttatggctc ttgttacaaa acccttcgat ttctgggtat ttccatgatt tgaatcaaga 300

aatttcgact cttttggatg ttttacctgt caatgatctt ggtctaagcg atgacattag 360

agagcaaadc gagttgttgc agaagacagt caaggaaagc gaagattgta tatcgataag 420

aacgatgagt cattacgtga atcaatccaa tccgtttcct gatgggtttg agaacggtaa 480

gattccgaag ttc 493

<210> 1333

<211> 453

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABLI-13-Q1-B1-A5

<400> 1333

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aaggccaaga tccaggacaa ggaaggtatt cctccggacc agcagcgtct catcttcgct 180

ggaaagcagc ttgaggatgg acgtactttg gccgactaca acatccagaa ggagtctact 240

cttcacttgg tctgcgtct tcgtgggtgt ttctaaatct cgtctctgtt atgcttaaga 300

aagttcaatg tttccgtttc atgtaaaact ttgggtggtt gtgttttggg ggccttgat 360

aaaccctgat gaataaantg tccaacaagt tccgttcctg gtaaccctt ccttccaaat 420

gacaagtcca acttcttcct taaaaaaaaa aan 453

<210> 1334

<211> 461

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABLI-13-Q1-B1-B12

<400> 1334

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cgagcacaaa agaaaaaac acaagtttcc tgattcctct cttctctgcg atttttagctc 120
tagggatcga tttcggcgtc aaacgctgctc gttttcgacc atctcctact tactactact 180
cagctgcttc tgccttctan ggttctttct ccgttcaccc tccgccgcac gagttgtcca 240
gctccgccgc attcttctgt ctccagatca ccggctttaa gcaaaccggt ctgcttttca 300
ctctaattcg taaaccactt gtggggantt gagcatcttt tacattctcc aaaatctctg 360
ctttcnaggg ttttggtgag ttttggtggg atgaatantg tgttcagtga ttagattcng 420
aatggataaa gctcgctaag ctcaatagca gtcaanaagt c 461

<210> 1335

<211> 475

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABLI-13-Q1-B1-B3

<400> 1335

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ctttcttctg ggctttttcc ttttctcctt catctttcat ttgccgattc cttatctcct 120
ctttcagctc cagttcaaaa ttttattcac ctaaaccatt cttgtccaag tagtatatta 180
acgtattcaa gaaacagcac ttacttcacc aatctcaaaa cacttttgtc ctctctctct 240
tcccgaacg cttcatactc taccggattc caaactgcc aaggcgggaca agctcccgac 300
cgtgtcaccc gacttttctt ttgtcgcgga gacgtctcac aagaagtttg ccgtaactgc 360
gtcgcctttt ccgtcaaagg agactttata atgngtccg tataacaaaa gaagtccgtg 420
ctttaatacg atgaagtgtg tgcttanata ctcccaccga aatantctct cgaac 475

<210> 1336

<211> 480

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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 cgtcggacaa gaattcctct ccgctcttate cgatcgagac ttcccttata gctccatcaa 120
 gatgcttgca tcgaaacgct ccgcagggaa gcgtgttgcc ttcgatggcc atgaatacac 180
 ggtggaggag ctacggcgcg atagcttcaa cgggtgtagac atagctttgt tcagtgtctgg 240
 tggatccata agcaaagagt ttggtcctct ggcggcggag aaaggaacca ttgttggtga 300
 taatagctcg gcttttataaa tggttgatgg agttccgctt gtgattcctg aagtgaatcc 360
 agaagcaatg aaagggatca aagttggaat gggcaaaggg gctttgattg caaacccata 420

<210> 1339
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-13-Q1-B1-C10
 <400> 1339

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 gtgggttcctt cactgaaagt ttcttctttt tcattctcnt cttctccttc agattcctnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntct gnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnaacca aattcgtctc cacgattgtt tcttctgagt 240
 tttgattttt cagatctcgc ttcttttccc gatttggtca aatcatcatg ggcttaacct 300
 ggatggtata aatggggatt aaatttcatt ccacaaaagc tccgaagttt taattnatta 360
 atnggctaac tggttaaccn ggtggtataa aaanaaanct tgtggtgtgg tgggttcccc 420
 naagttttca agg 433

<210> 1340
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-13-Q1-B1-C11
 <400> 1340

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627

catacaagat cgccgctcat gcagctgac tagccaaaca gcatccacat gctcaggcat 120
 gggacnatgc gctgagcaaa gcgcgggttg agtttagatg gatggaccaa tttgctctgt 180
 cgttggaacc catgactgct atgtctttcc atgatgaaac tcttccagct gatggagcca 240
 aggttgacac cttttgctcc atgtgtggac caaaattctg ctctatgaag ataacagaag 300
 acatccgaaa gtatgcanag gagaatggtt atggcagtgc tgaagaagca atcagacaag 360
 gaatgggatg ctatgagtga agaattcaaa catcgcaang aaaaccatta a 411

<210> 1341
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-13-Q1-B1-C12

<400> 1341
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 cggtctgagg ggtcttcttc gtttgctccg cttaagcacc atgaaggcca ccgtcgtctc 120
 ccgcagcggc agagaagtcc tcaaagctcc ccttgacctc cccgattcgg ngactgttgc 180
 tgatctgcaa gaagcggtttc ataagagagc taagaagttt taccggtcga ggcaaagact 240
 gactcttccc gtgactcctg gatngaagga caaacctgtt gtcctcaata acaagaaatc 300
 actgaaggaa tactgtgatg gaaacaacaa ctctttaact gtaattctca aaagacctgg 360
 gggcacaagt ttcttaacgc aaaactctc ctctccaat aaccttggcc tctcctaanc 420
 aacntgtct ttaacaactt cccggttaaa aanttccttg gggtaat 467

<210> 1342
 <211> 476
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-13-Q1-B1-C3

<400> 1342
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 ctctcatttt cttcttctcc aagccccct cctttctata tatatctgaa attgggtctt 120

tataaaacaa acttccattt ttcgtatggc tgcttctttt cttacaatgg acaatagcag 180
aaccagacaa aacatgaatg gttctgctaa ttgggcacaa caatccggaa gaacatctac 240
ttctctcttg gaagatcttg agataccaaa gttcagatct ttggtcctt cttcaatctc 300
tatctctcct tctcttgtct ctccttccac ttgtttcagt ccctctcttt ttctcgattc 360
ccctgctttt gtctcctcct ctgctaacgt tctagcttct ccaaccacag gagctttaat 420
cacaaaacgt aactaaccag aaaggtataa atgaaggaga caaggagcaa caacaa 476

<210> 1343
<211> 433
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-13-Q1-B1-C7

<400> 1343
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tgaaagaagc cacagttatt actccttccg accaaacacc ttcttctgtt ctgtctctct 120
ccgctttaga ttctcagctt ttctcctgat tcaccattga atacctctc gtttaccac 180
ccgtttccga cccggagtat tctctctccg gtcgtctcaa atccgctctc tctcgcgctc 240
tcgttcctta ctccctttc tccggccgcg tccgagaaaa acccgacggc ngcggaggctc 300
tccgangtca aattgccgtg ggcaaagggtg ctcttggttc ctgaaaccg tttcctgaaa 360
tcctcacgtn gccnttgact ttcaagaaaa cctccccggg aacgttaact aactgggaga 420
aaagcntcct ttc 433

<210> 1344
<211> 426
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-13-Q1-B1-C8

<400> 1344
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aaccttcgtc atcttccgac gcctctctct ctgcctcagc ttgcntgtcc aaacacantg 120

gtgnatatca anatgganat gangttgtca ttgtcgnngc acaaaggact gcacttttga 180
 angcaanacg tgnacagcttc aangatacat ttcnagacga gttcttgcct ctgtattgag 240
 agcattgata ganaaaaacta atgtaaaccc aagtgaagtt ggtgacattg taatgggtac 300
 tgttttggga ccaaggatct cagagagcca tgtgaatgca ngatggctgc gttctangct 360
 ggtttccccg aaactgttcc catcangaat cgtgaacana cagtgttcat ctgggcttca 420
 ngctgt 426

<210> 1345
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-13-Q1-B1-D11
 <400> 1345

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 aaaaggaacc acctttctct ctctgttttg ctcgatctgt tgtaatttac tctgtagcga 180
 tcatcagatc gccggcgttt taaaccgcca tgaaactctc cgacgttgga ttagacgttg 240
 tcaaaactcc gagattgggt aaattgattg cgtttgcgtt tctctcaatc tcaacaattt 300
 ttctcttcaa tcacttctca gattccttct cttaaccaat ctcttccttt tcccatctcc 360
 tctttcttca aacgtcaacc gaaagctaata caaaaccaac ataacatccg gtcg 414

<210> 1346
 <211> 475
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-13-Q1-B1-D3
 <400> 1346

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 ctcttccacc tttgagtttc tcgaggctct tttcttaatt ttactgctaa atagtagtgt 120
 ttactgtctt cagccgccgt cgccggattc cattatcgaa ggcgacggaa gcagtatctt 180

ttagcattga ggggaagagt gtagaggaaa agaaagggtt attggctaaa tgtgctgcta 180
 cgactctctc atctaagctt atcgggtggag aaaaggagtt ttttgctaca atggttggtg 240
 atgctgttat ggccattggg aatgacgaca ggctaaatct gattgggatc aagaaggttc 300
 ctggtggcaa tatgcgagac tctttcctcg ttgatgggtg agctttcaaa aaaacattct 360
 cgtatgctgg ttttgagcaa cagccaaaga aatttcttaa ccccaaaatt ctcttgctta 420
 acatcgaatt ggagttgaaa tctgagaagg aaaacgctga aattaggctg tcagattcat 480
 cacagtacca g 491

<210> 1349
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-13-Q1-B1-D8
 <400> 1349

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 tggaagcatt ctttggtgag gctgattcat tctcatctgt gaaagtcttt ggcttttgaa 180
 gcaatactat ggaaggaatt cagcatccta tacctcgcac tgtcgaagag gtttttagcg 240
 actttcgtgg tcgtagagct ggtctcatca aggctctctc tactgatgta cagaagtttt 300
 accatcagtg tgaccctgag aaggaaaact tgtgtcttta tggacttcca aatgaagaca 360
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 atca 424

<210> 1350
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-13-Q1-B1-E1
 <400> 1350

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ttgccgcttg gattcttcca aggttagtga gctgctatgg caactcatca gcaaacgcaa 180
 cctccttccg attttcccg tcttgccgat gaaaattccc agattccaga ggctactaag 240
 cctgctaatag aggttcagca agctaccata gctcaggatc ctccaacatc tgtgtttaag 300
 aattctgaac caatacggga ggatnaaatt cagaacgcta tcaaattcct ttcgcaaccg 360
 aggggttanag gntctcctgt tatacataga agatcttttc ntgagangaa aggtctcact 420
 aaaaa 425

<210> 1351
 <211> 360
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-13-Q1-B1-E5
 <400> 1351

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 ttgaaagaga ttgaaaacaa gaaaatggga tgtcctgttt gtcgcgccaa cattgatcag 180
 gtcattaagc tatatcatgt ttgaagcata tctcctctat ggctggaaga tattgaaact 240
 atctcctatt ttttactttg tctttaaaag ataactacaa atttttttat tgtgtgtatg 300
 ttatgtggtg aagtcaaaga agtcgaaata tagaatcacg acaanaaaaa aaaaaaaggg 360

<210> 1352
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-13-Q1-B1-E8
 <400> 1352

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 tgagcaatcc tagattcgac gccgccgcaa ccgccgcacc aaccatcgta gacatccccg 180
 gaacaccacc acactcctcc gcttcttcac cactcaaacc cttcttctc tcttccccca 240

ccgtatcacc aacaatcctc acggcgggcta taatcgccgc ctggtttggc tcaaatatag 300
gagtcctcct cttaaacaaa taccttctct tctactacgg ttcccggtac ccaatcttcc 360
tcacatgac acacatgtta tcatgcgcg cctatagctc cgccgtaatc aatatcgccg 420
gaatc 425

<210> 1353
<211> 423
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 1353

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tcacttatga tgtcacagac ctagagagct tcaacaacgt caaacaatgg ctgaatgaaa 180
ttgaccgtta cgctagcgaa aatgtgaaca agctactggt tgggaacaag aacgatctca 240
cttcacagaa agttgtatcc actgagacag ctaaggcttt tgcagatgaa cttgggattc 300
cattcctgga aacaagtgtt aaaaatgcaa ccaatgtgga agaagctttc atggctatga 360
ctgctgcaat taagacaaga atggctaacc aaccagctgg aggtgccaag ccancaacgg 420
tcc 423

<210> 1354
<211> 474
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-13-Q1-B1-F4
<400> 1354

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gacggacact tgtcagcggc tgaactaaag gcgcttatca ttgggatcag ctttgaggat 120
atagattttg acaaggatga tgctgtggga aaagttctcc aagattttga taagactctt 180
gatgagcaag ttgatcaaga agagtttgtc cgtggaatta agcaatggct tatccaggca 240

atgggaggtg ctccatctgg tcctgaagct ggccctcgaa caatgaaatt ccttgacaat 300
 ttccatgtgc aaacaaagag agagcatgct ttgttgggag ataacgagaa tggtgagaat 360
 gatgaggaag gcggtgaggt tgcagacca aaatggatca ccattaaagc agctctgctg 420
 ctactgttag gagctgcca tgcantgca ttgtctgac ctttantccg acac 474

<210> 1355
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-13-Q1-B1-F8
 <400> 1355

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 cgaactgtgg atcccttgaa tgcttcccca agggatcgg aagtctcgtg aagctcgaag 120
 ttctgttggg atttaagcca gccaggtcca acaatgggtg caagctcagt gaagtgaana 180
 atctcacaaa ccttcggaaa cttgggtctt ctctgactcg tggcgatcag atagaagagg 240
 aggagcttga ttctttgata aacctaagca agctgatgtc catttcgatc aactgctatg 300
 atagctacgg cgatgatctc ataaccacaa tagacgcct tactcctcca caccaagctc 360
 catgagcttt ctctacaatt ctatcctgga aagtcgagtc catcgtgggt gagtcctcac 420
 aagc 424

<210> 1356
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-13-Q1-B1-G1
 <400> 1356

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 aaagacccaa actttgagaa acaccttcat tctcttcctt cttcatcaa agcttaacct 120
 tttttaattt ttatcctcgn tttttcaatt cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn ttacgaatct ttgttccag atcgtgagag aggaggagtt 240
 ggaagaatga agatgactat tgggtctttg ttccaancct aattttgcag attaatttcg 300

tttttgttga tttctgtttt ggggtttgcn ttgctgattc cngtggatta aanggttcct 360
 tttggacaac acaaatttgt tgggtttttt tttgggggaa aagagaatta aaantttctc 420
 cnttagaatc ggcgtttggg ttgaaaaaa 449

<210> 1357
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-13-Q1-B1-G10
 <400> 1357

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 ttattcgaca agaatggtga tggttccatt acgaaaaagg agctcggtag catgatgcgt 180
 tcaatcgggtg aaaaaccgac aaaagctgat cttcaggact tgatgaacga agcggattta 240
 gatggtgatg gaaccatcga tttccctgag ttcttgtgcg taatggctaa gaatcaaggt 300
 catgatcaag cgccgcgtca cactaaaaaa acaatggcgg ataagctcac tgacgatnag 360
 atttacagag tacaagggga atccttcaag gttattcgac aagaatggtg aatnggttca 420
 attacgaaaa aaaggagct ccgt 444

<210> 1358
 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-13-Q1-B1-G11
 <400> 1358

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnc cgtcgtaatc attctgatga ttctgattca gagtcttctg 240
 aagatgatag aagacagaag cggaggaaca aagtcgcagc ttcttctgac tcagaagcaa 300

atgtttcagg cgatgatggt tcacgcgttg gacgtgggtc ttccaagcgg tctgagaaga 360
aagagcagga aacctcatca caaggaaana acgaaa 396

<210> 1359
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-13-Q1-B1-G2

<400> 1359

ctcgaggaaa aagatctcaa aatgctcacg acacctccac gaacnnnnnn nnnnnnnnnn 60
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tctgtataca actctttcct caagtgtttc tccgacaaga cgaaatctcc acaatcccaa 180
atcactgaca atgtcttctc tcagacaaac cctgctttct cctccgttct tegtgtttac 240
atccgcaatg cgagggtcaa cacttctct actcttaaac ccaccatcat aatcactcct 300
cgctccgaga gccacgtcag cgccgccgtc acttgctcaa aaaccctaaa tttcctcctc 360
aaaatccgaa gcggcgggca tgactacgat ggtctctctt acatttccga caaaccantt 420
ttcaatc 427

<210> 1360
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-13-Q1-B1-G6

<400> 1360

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caactgcagt gggcttaggc caatctactt gtgtaggaat cggtggggat ccttttaacg 120
ggacaaaactt tgtcgactgc ttggagaaaat tctttgttga tctcaaaca gaaggatcgc 180
ttctcattgg agaaatcgga ggcactgcag aagaagatgc tgcagcattg ataaaggcaa 240
gtggtactga gaagcctggt gttgctttta ttgctggact tactgcacca cggggtcgtc 300
gaatgggtca tgccggagcc attgtttccg gtggtaaagg tacgggtcan gacaaaatta 360

agagtttgaa tgatgctggg agtgaagggtt gttgaatctc cggctaaaga ttggattaac 420
gatg 424

<210> 1361
<211> 63
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-13-Q1-B1-G8

<400> 1361
ctcgnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nttcnaaatn 60
ncg 63

<210> 1362
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-13-Q1-B1-G9

<400> 1362
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tgtcttcgtg attgcgggccg gtccaatcac agcaaaggcg gctctgagct gtggcgaagt 120
taacagcaat ttgaaaccgt gcaactggcta cttgaccaat ggtggatatca ctagcccagg 180
cccacagtgc tgcaatgggtg ttagaaagct taacggcatg gtccttataa ccctagaccg 240
tcggcaagca tgtcggttgca ttaaaaatgc cgctagaaac gtcggccctg gtctcaacgc 300
tgaccgtgct gctgggattc ctatgagatg cggaatcaaa ataccttaca gtanccaaat 360
cangttcaac aacangtgca acaacg 386

<210> 1363
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-13-Q1-B1-H11

638

<400> 1365

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aattcaaagg cagagacgat gggagatgta gttttgttca tagatgaaac atatttgaaa 180
tcgagtttta atcgctgtag aatctgtcac gaagaagaag ctgagagcta ctttgaagct 240
ccttgttctt gttcaggaac catcaagttc gtcacagag attgcataca acgatgggtg 300
gatgagaaaag gaaacacaat ttgtgaaatt tgtctccagt tttcggttat tttgttgata 360
aagcatgcat ttgatgcggg ttatggaact gaagagtatc cctatacaat attcacggtc 420
ttaacattga angctataag gcatact 447

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<210> 1366
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-15-Q1-B1-D6

<400> 1366

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tgtcatttca atacaaaata ttgaaaaagg agaaacaaat tgaagaaaaa aaaccaaaaa 180
aaaagaatth gtcacaagat gttgataatc gcctgcttct tggaacaccc taacgaaaac 240
aaatcatctt cccgagatct cttcttgcca acacactcta ctgcgacgtc gtttggtttc 300
tcgttactca cattgaaaat gttgactccg aatagcctaa ccacagtctg aaccgggacta 360
gaccggactt tccaagtgga tatacaattg ccggtctggg tccggttgat ttcccgaac 420
a 421

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<210> 1367
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-15-Q1-B1-D7

<400> 1367

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 cgcgtttcag tcttctctat ataaacttgt ttcatacanc catcaaaatc ccaactcaa 120
 tctgtttcag tgttcttcaa attctcaatc tttctctcaa ttcatactaaa gggttcctca 180
 aagtttcaat ctttctctct gaatctaaac catgggctcgt tgtagcaaca atctcgtagg 240
 gatactcaat ttcttagtat ttcttctctc gateccaatc ttagctgggtg gaatctgggt 300
 aagccaaaaa gggtaacag agtgtgaaag attcctaaga caaaacagtg attgctcctg 360
 ggtgttttcc ttaatgggtg tagcaatanc tgggtctaata aagttcatgt tgtanaagtc 420
 acatg 425

<210> 1368
 <211> 459
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-15-Q1-B1-D9

<400> 1368

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 ctcggtcaat cttagtttct cggcgagag attgcttttc aggaatcatc atgggtgagaa 120
 agagaagaac ggatgctcca tctgaaggag gtgaaggctc tgggtctcgt gaagctgggtc 180
 cagtctcang tgggtggacgt ggttcacagc gaggtgggtt ccagcaaggg angangacaa 240
 caccaagggtg gaaaggggtt atactctca acctcaacaa gggangtcct ggtgggtcct 300
 ggatatgggc aaccaacaca acaacaacaa cagtatggaa ggaccacaat ntttaccang 360
 ggaaaangat aangaggac ctctcaaca aanggangtc caagaanggn atgggcagtg 420
 gcccttgnag gttgaccttc cttctggacc accgcanaa 459

<210> 1369
 <211> 132
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-15-Q1-B1-E1

<400> 1369

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 ccaaagtatt actggatcta cagaatcctg gttgatgggt gaaaatagtg ccctgttaat 420
 tgtcntcct 429

<210> 1374
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-15-Q1-B1-E8
 <400> 1374

ctcgagattg gcttaatctt ttgagtagta tcagtaggag tgaagtgaat gagtcatcag 60
 ttcaagatgt ggaggagggt gaagggtttt tgtctaggag tttggagggg aagaaggcga 120
 cggatttgag gttggcggcg attgcggttg ggacgtcgag tcgtggtggg ttggggaagc 180
 ttcagattcg tgggagtggg tttgagagta aggtgactga tgttggtctt ggtgctgttg 240
 ctcatggttg tccatctctt aggattgttt ctttatggaa cttgcctgct gttagtatt 300
 tgggtttgtc tgagatcgca cggatcatgcc cgatgattga aaaacttgac ctttcacggt 360
 gtcttgaat aactgacagt ggattggttg ctantgctga gaactgtgtg aatcct 416

<210> 1375
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-15-Q1-B1-F11
 <400> 1375

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 attcattcgg atcaacatga aagcccaact acattgccag aatttanata ttggaaagag 120
 gtttacctcc gtgcttctat ggtacaatcc tcttcccgcg gagcctcctt tcttctcggt 180
 ccgcagagac aaaatgtagg actggtgcc aagttaatc acggnagaaa ggactcantg 240
 cgccaanatc actaactnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnctgtcttt tctgntatac ttaagtnnac tttccccggt tccgttgnta ctgngggctt 360

<210> 1378
 <211> 133
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-15-Q1-B1-G11

 <400> 1378

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 nnnnnnnnnn nnn 133

<210> 1379
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-15-Q1-B1-G2

 <400> 1379

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 tgaaacttta gctgtgaaga aaatgtgggc aaaggaagaa aacagagcgt ttaactcaga 180
 gatcaacact cttggatcga ttcgacatag gaacataatc cgtcttttgg gttggtgttc 240
 gaatcggaat ctgaagcttt tgttctatga ttatcttctt aacggaagtt taagctctct 300
 gcttcacggt gccggtaaag gaagtggagg agctgattgg gaagcacggt acgacgtcgt 360
 ttttaagcgtt gcacatgcac taacctancc tcatcatgaa tggtcctcct cccgantcct 420
 a 421

<210> 1380
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: ARABLI-15-Q1-B1-G3

 <400> 1380

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 cattaaatcc agcaatgtcc tcctctttga agatgatgtt gccaaaattg ctgactttga 180
 tctctcta at caagctcctg atatggcagc tcgccttcat tccacccgag ttcttgggac 240
 ttttggttac catgccccctg aatatgcaat gaccgggcag ttaaatgcca agagtgatgt 300
 ctacagcttt ggagttgtct tactcgaact tcttacaggt cgaaagcctg ttgatcatag 360
 actaccaga ggccagcaaa gtttagtcac atggggctac acctaaactg agtgaaagac 420
 a 421

<210> 1381
 <211> 325
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-15-Q1-B1-G7

<400> 1381

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 ttagtgaaaa tatgtgttct cgccaacgtc tccaagaaca caagttccat gcactctctt 180
 ccctccaata aaagtttcta tttctttgta gtttattggt gtgagacaat ctcataccaa 240
 aatattgtac ctctacttgc ttgtcttaaa caaatctatc atcaagttta tccccaaaaa 300
 aaanannnnn naaaaaaaaa agggg 325

<210> 1382
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations.
 <223> Clone ID: ARABLI-15-Q1-B1-G9

<400> 1382

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cctctgatca tcggtgggat tgttattcct catgatagag gctgcgaagc tcactccgat 240
 ggcgatgtgt tacttcattg tgtagtggat gcaatTTTgg gagcactagg gcttccagat 300
 atagtcagat ttccctgact ctgatnctaa aatgggaaag ggagctgctc ntctgtattc 360
 atcaangaaa gctgtgngac tcatggacna angcanggta tgacataggg aaaacctaga 420
 c 421

<210> 1385
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-15-Q1-B1-H7
 <400> 1385

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 tcgatgtcga ttctcaggag actgttgaga atgttaangc cttgctcgag gttgagtcca 180
 atgttccgat tcagcagcag cagctgttgt ataatggaaa cgagatggga aattccgata 240
 aattgagtgc cttgggtggt aaggatgatg atttattgat gatgaatggg tttccaaatg 300
 cctcatctgg tantgccact agtgccggcg gggaatgatt ttgggcatga atcccganng 360
 ggtccagctt tgnaaccctg cnagnctttc agnnaacaca ttcgttgggg attccn 416

<210> 1386
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-16-Q1-B1-A1
 <400> 1386

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 tacgctaatac ttggggccaa gagatgtttg tactccggcc cataaacatt tagctcttga 120
 agcagcccat caagggttg ttcttctcaa aaactctgct cgctctcttc cactctcccc 180
 cagacgccac cgcaccgtcg ccgtgattgg tccaaactcc gacgtcactg agactatgat 240

ggatgaaggct cttatggaag agtatactac ggggtattaa acaatgatct gccttcagcg 360
 attaaaaagt tggattctaa caaacagcct gacaatgaat tccttgctca agtttccaag 420

<210> 1389
 <211> 490
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-16-Q1-B1-B2
 <400> 1389

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 tcggnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 ngaagaanaa naagaagaag gagatcaagg aactcgaagt gtgtgtgtgt gtgtttgcct 180
 tctcttgtct tttagttttt tctctctttg gctgtgattt cgtcggcgaa gagagacata 240
 gatcggatat ggcggctgat aatacgggtt cgaaatcgag ctccgctgcy gattcttacg 300
 ttgggagctt gattagtttg acatctaaga gtgagatcag atacgaaggg attctttaca 360
 atattaatac aagatgaatc cantatccga cttcaaaacy ttccattaat tggactgaa 420
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 atgttccgtg 490

<210> 1390
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-16-Q1-B1-B4
 <400> 1390

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 tacgtttctt tctcgtaccg aatctgctct tccttancac catgaactgt tcttggggag 120
 gaagcggatg aattattata agcccaacag tgccatagga acaccatcat caactagtga 180
 ccacgctcca ggcagtaatg ggaggaagtt gatgagtata tatagacca atggagacat 240
 atttacagga ccatcaggca gtgggcatgg tgggggtcgc actccaagcc ccctagtata 300

tatatattaa tgtgtaatca aggactcaca agcgaaacct ttaaattcccg attcacgtat	360
aacgttatgc cttgggtgtag tatatgttta aattcngttt tcaaaagcca agttttttcaa	420
ttcnc	425

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<210>      1391
<211>      425
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: ARABLI-16-Q1-B1-D2

<400>      1391
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gaggttttta aacaaaagct tgtgccataa agtaaccgcg aatgaaagac cntg 474

<210> 1393
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABLI-16-Q1-B1-E5

<400> 1393

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taaaaaatct gacccaagaa aacatttctc agatcaacgg ccgtccggtt cttcaaccga 120
agtcgaacca agttccgaca ttagaccgac gtaactcact aaaaaaatcg cctcctaagc 180
ctttgaatcc aattgcatca aagataccct caccaagacc aatttctcta atctctctc 240
ctttgtctcc caacacaaaa tccttaagaa aaccggccgg ttcttgcaag gaacttctta 300
ggtctagctc tacaaaatcg aaaccagtga tatcaccaga gaacagtgat ggtggctaca 360
aagaggttat gcctatgggtg attgttcaaa agcagcctgg aagtatagca gctgccagaa 420
g 421

<210> 1394
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-16-Q1-B1-E7

<400> 1394

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gatattttgc ttccaaataa aacgagtccg gtcactggcg ctactgact tcgtcttctt 120
ccatctccga tccattgggt taacaagcgc gtgagggcca gatagaccga gaatcatggg 180
aaacggaaac tcaacggaga cgaaagagtc gcgccgatca aagatgcgta agaagattca 240
aaactttcgc agccgccgcc gtcttagtcg tccaggatcc ggaagcgtct ctggattggc 300

tagtcagaga tctgtgagcg canatgattt cgccggcatt gctcttctca ctcttatcgg 360
cgcgagatg aagttcaagg acaagtggct cgctgtgtt tccttcgggg aacaaactt 419

<210> 1395
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-16-Q1-B1-F1

<400> 1395

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taagcatttc actgcctatg atttggaaaa atgggggaat ttcactagat acgacttcaa 120
tgctgtggtc acagaacagg acatggaaga cacatatcag ccccatcttg agacttgat 180
aagagatggt aaagctagct gcttgatgtg ttcataataat gcagttaatg gggccctgc 240
ttgtgcgcaa ggagacttat tacaaaaagc tccgagttga gtggggattt tgaaagggta 300
cattacatca gactggtgat gctgtggcaa ctaattttgc cgtaccaagg gatataccaa 360
agtcantga agaantgtt gctgatgcca taaaagcaag ggtggatata aaattgtgga 420
acatacatg 429

<210> 1396
<211> 78
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-16-Q1-B1-F2

<400> 1396

ggaattcggc tcnaagtgtg tgagttggat atgtttaata caaaatttcn ccttgtgaaa 60
aanannnnn naaaaagg 78

<210> 1397
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABLI-16-Q1-B1-F6

<400> 1397

ctcgagggtt tggatacatt tgagacagtt ccagaggcgg ctccagcaga gttgaaagag 60

cctccaatcg aagatcagct tgcgtttcat actttatggc cggaatctca taaactctat 120

ggtcattgga atgaactatt ttctctctgc tctgaccaca agggaaacct tgttgcttca 180

tctgtgaagg ctcaatctgc atccatggca gagatatggc tatgggaggt tgggacatgg 240

aaagctgttg gtcgtttgca atctcacagc ttgacggtga cgcacttga gttctcttat 300

gatgacactc tgctcttgct tgtctcaaga gatcgctact tctccgtttt ctctatccaa 360

aggacagaca atggtgaggt taagtcacaa actcatggca aaggttgaaa gcacacaaga 420

a 421

<210> 1398

<211> 473

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABLI-16-Q1-B1-G4

<400> 1398

tangacagaa acgcaccagc ntacgtaaan tcggaattcg gctcgaggaa aaatgggatt 60

acctcaaaat aagctcagtt ttttctgctt cttcttctc gtctctgtac taactcttgc 120

ccattggct ttctccgaga tcttcttaga ggagcatttc gaaggtggat ggaaaagtag 180

gtgggtcttg tctgattgga aaagaaacga aggcaaagct ggaaccttta agcactctgc 240

cggtaaattg cccggcgatc ctgacaataa aggtattcag acttataatg atgccaagca 300

ttatgcgatt tctgcaaaga ttcttgagtt tagcaacaaa aaccggactc ttgttgcca 360

atactcagtc aagnattgaa caagacatg aatgtggtgg gtgcttaca taaanctcct 420

gtctggctaa ggttaancaa gaaacaantt ttggtggng atactccaaa aca 473

<210> 1399

<211> 426

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABLI-16-Q1-B1-G6

cgagagcaaa accgcgagct ctcatggctt ccggcggcaa agattccgat cgtaccttag 60
 ggtacatgac acggaagat acagaagtca agcttccaag acctactcgt gtcaagaaca 120
 aaactccggc gccgattcaa ataactgccg aacagatatt aagagaagct cgagagagac 180
 aagaagctga gatccgtcct cccaagcana aaatcactga ttccactgag ctttccgact 240
 acagactccg ccgganaaan gaatttgaag accagatccg tcgcgcgaga tgggcacatt 300
 cangtttggg tcaaatacgc tcaatgggaa gagtcacaga aagattacgg ctctgtgctcg 360
 aantgtttgg gaacgaanca tagnaggag attttagggn nccatancct ttgggntcaa 420
 agtacgc 427

<210> 1402
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-16-Q1-B1-H4
 <400> 1402

cnctatgcac agagaaacgc gnccacgcct acgtaaaatc ggaaattcgg gcccagagatc 60
 agaancctta acaagacaat ttgtngtctg gtctcaacaa aacccttctt ttctccattt 120
 ttcttttttg ctttgtttct gtgctacgat ttgtcaaaaa aaagaaaccc aaatcaaaag 180
 cttcgaaatt tcataagatt tctttgtttt tctgaagatc caaggcacac aaaaaaacag 240
 ctttttttgt ttcttcaatc aaggattttc cagggttttg ataaccccat ggggttcaggg 300
 ttctctctgt ttcaaaagaa tttatcgtct tgttatggag atcgagatct gttgcagcct 360
 ggggttagga gatttgctg aaagtgggtg tggctttgat tccccaagaa ttggattcc 420
 cgttgagatc tgtagaatcn ccaaagctaa aacacggctt tcaatggcgc'ttcctggggc 480
 tgan 484

<210> 1403
 <211> 266
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-16-Q1-B1-H8

aaagagggaa gattcagccg gagagataca acaacataac agtagcaatg gtgaggacaa 180
 gaacagagag ttagaggctg ttttttctta catggatgca aacagagacg gtagaatctc 240
 accagaagag cttcaaaaga gtttcatgac attgggagaa caattgtctg atgaagaagc 300
 cgtagctgct gttagattgt ctgatacgga cgggagatgg gatgttggat tttgaggaat 360
 tttcccaatt aatcaaagtn nattaccaan aaagaaaaga a 401

<210> 1406
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-17-Q1-B1-B3
 <400> 1406

gagtttggga aaaaaaatat ataccanaat aaaagannnn nnnnnnnnnn nnnnnnnnnn 60
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncgataa atttttgttg aggaagaatt 120
 tttgttgtaa agagagttta attaaattat gccttcaata gaagatgagc tgtttccgtc 180
 aacgccgggt aaattcaaaa ttgaccggtc aaaccgtcag ctccaccggt gtttcgcttc 240
 tacgagcacc atgtttcttt gggctctctt cctcatcgct ctcaccgctt cttacttgag 300
 tttccaaagc ttcgtccgat tcccggtaan cgtaachaa acgcttcttg gggcgggaac 360
 ccaatgggga aaaacaaggt cgtaactccg gctcaaattc aaccgcnncc gnggggaacc 420
 cccgttcctt gttaccgggg 440

<210> 1407
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-17-Q1-B1-B6
 <400> 1407

gagcaatgat aaaacagaaa gttgattcag ccacagagag aaccaccgat tgaaaccggt 60
 aagagaatcc atctcgggtc ctatctttgg tctgttgact tcatttgttg aggcttaagc 120
 tatcggatgg ggatcattaa tcatctttga gtgaggcaga gatttctctc taggagctct 180

ccgatnaacc aaaacgccgc cgctgctttt gccgccgtct ccgangaaga acgtcaaaan 360
 gatcaagctt cnatccaaca ntngaaccn taacaacctt taaagagaaa attaaggncc 420
 aaag 424

<210> 1410
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-17-Q1-B1-C7
 <400> 1410

tcgagcaggt tataactcaca gcaatggcgc tcatgggcag cattcttcat tcaagcggca 60
 tggaggaaac attgcaaaag gaagctttct aagacaagag acaacgagaa tattccacaa 120
 ggcacgcaac tcaatcttgc atcaacgctc tacgtgtcca gatttgtgtc caaagctttg 180
 caaaatcgac gaaaagatac agcagattgt tccagctctc ctgatatgtc acctccggta 240
 cctcataaac cagccgatct cgagtttgca aaggctgaag catagtgtgt ctttgaagga 300
 aaatgactct ctacacaaac aaggtagtga agactccatg ttagctcaaa acatgcccta 360
 caacgtaact ttcaattant gtcaaataat ttgactcaac aacacgttct aaatattaaa 420
 aaaaacct 429

<210> 1411
 <211> 389
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-17-Q1-B1-D1
 <400> 1411

cgagctagcc tcatcagaca tatacttgag tataggcttc ttaaggcgtn nnnnnnnnnn 60
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncta agtttgtttt 180
 tgttggtggc tctctgttcc agcttgatt atcaaatttg agatacatat cttcttagat 240
 acagaagatt gtgatactat cattgttatg tatttctggg gttccaagt ttcttatncc 300

ttactantac tggttttgat ttgatcccta aataatttac agaaagntgt aanctgnntc 360
caaagganca annnaaanna aaaaaaggg 389

<210> 1412
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-17-Q1-B1-D3

<400> 1412

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atctctgaga tctttgttaa tcatcaagat ccgactcaaa tcacttttgc taatcctacg 120
ggactatcac gtactttccc cgctactgct tttgaagaag acgaatgatt catttgtcaa 180
cgctcaccat catgatactt tgcttagcta aattatcttt tgttttttcc ttataattcc 240
ttttgttttag ctaagttcta ttttcaacat ttgtatttct gcatcttttc cattagagat 300
tttnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngggn gggcgccgac tantgagccc 360
ctcgacccgg ggaattaant ccgggaccng gtanctggaa ggggttacia acntttcccc 420
aaa 423

<210> 1413
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-17-Q1-B1-D4

<400> 1413

ctcnantgtc ancttcgtga acaccaggcg taaggttgat tggcncacag acaaaatgag 60
aagccgtgac cacacagtct ctgcaactca cggagacatg gaccagaaca ccagggacat 120
catcatgaga gagttcaggt ctggttcctc ccgtgttctc atcaccactg acctcttagc 180
tcgtgggtatt gatgtccaac aagtctccct gggtatcaac ttcgatctcc caactcagcc 240
agagaactac cttcaccgta tcggaagaag tggaaggttc gggagaaagg gtgttgcgat 300
caatttcgtg acccgtgatg atgagangat gctgtttgat aatcanaaat tctacaatgt 360

gggtgtccaa anaactgcct tccnaacgtg gccgattngc cgttnaaggg aaaaaannaa 420
tccgntccg gttccgtttt tggc 444

<210> 1414
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-01-Q1-E1-E12

<400> 1414

agttataaat aaaaatttat tttattttcc tgaatagctt aagagaaatt tgatcttcgt 60
cttcgtcact acgtccccag ctctcgagct ttgggcactc gatttcctct atacatttcc 120
ttaaaaccca aaattcttaa gcctaattcca aaggagaaaa aaacagagca tttttcttct 180
tctccaatth aaacagtttc ctaataatct cactttgtct actcgattct cccaactcca 240
atttgactca tcggaatcat gccattatca atgaatctc cgacgaatcc gccaccattg 300
ttccgttgca tctccgtcat gtaactctc acttccgct taatcatctc ttgcaccacc 360
gccataaact cgcctccgtt accgggaaaa gac 393

<210> 1415
<211> 138
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-031-Q1-B1-G12

<400> 1415

gtcgagcact ggacaaaggg taagcgatct aagagatcta gatccgattt ccaccatcaa 60
aacctcactg aggaagagta tcgaactttt tgctcatgc ttcccgtcgc cgacaaccgt 120
cagcctctc ctctccg 138

<210> 1416
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-019-Q1-B1-G1

<400> 1416

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gagaaactcg caggacttat cccactggtg aaatacctcc atggccggta cttgaagagc 120
ttacaacgtc ggagtttttt ttctccggtg atgaatagtc cagattgtag catgcttgaa 180
gctttggcgg ggttgcagcg ttatttgccg tctaacgaac cggatccgga gtcatacccg 240
gatctattgg gtccggattc accaatcgat gcttactcat gcgaccattt ccgtatgtac 300
gatttcaaag tcaggaggtg tgctcgtggc cggagtcatg attggacgga gtgtccgtac 360
gctcatcccg gagaaaaagc tcgccggaga gatccgangg aagtacatta ctctggtacg 420
g 421

<210> 1417
<211> 411
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABL1-025-Q1-B1-C6
<400> 1417

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ggagaaactc gcaggactta tcccactggt gagatacctc gatggccggt acttgaagag 120
cttacaacgt cggagttttt ttctccggtg atgaatagtc cagattgtag catgcttgaa 180
gctttggcgg ggttgcagcg ttatttgccg tctaacgaac cggatccgga gtcatacccg 240
gatctattgg gtccggattc accaatcgat gcttactcat gcgaccattt ccgtatgtac 300
gatttcaaag tcaggaggtg tgctcgtggc cggagtcatg attggacgga gtgtccgtac 360
gctcatcccg gagaaaaagc tcgccggaga gatccgagga agtaccatta c 411

<210> 1418
<211> 120
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABL1-025-Q1-B1-G9
<400> 1418

gaattggcctt caccactctc aaaagaaaac gagaaccggt ttggtgtgta gatcatcttg 60
aacctttttg aggtttttcac attctgagtt tatattaaga gaggggaataa tatttttggtt 120

<210> 1419
 <211> 393
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: ARABLI-14-Q1-B1-A5

 <400> 1419

 ctcgagccgc tcgagccgct cgagcggctc gagaagagat tcaagagtcg cttcttactc 60
 cgagggttcta cacgacggac ttcgaggaaa tggaacagct tttcaacacg gagatcaaca 120
 agaaccttaa cgaagcagag ttcgaggctc tgcttcaaga gttcaagacc gattacaacc 180
 agacacattt cgtgaggaac aaggagttta aagaagctgc agacaaattg caaggacctc 240
 tccgacagat ctctggtgag ttccttgagc ggtcttgtag tgctgagttc tctggtttcc 300
 ttctctacaa tgagcttggt cgaagactca agattacaaa ccctggtgtg gctgagatcc 360
 tctcgcttat gtctagagat gaagcaagac atg 393

<210> 1420
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-A8

 <400> 1420

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 actttgagaa ctggtgtcaa gacgagaacc gtcattgtga tttcttctct gctttgatga 120
 aagctcagcc tcagttcctc aatgactggc aagccaagct ctggtctcgc ttcttctgcc 180
 tctcggttta tgtgacaatg tacctcaatg actgccaaag aactaatttc tacgagggta 240
 tcgggttaaa cacaaggag ttcgatatgc atgtcatcat cgagacaaac cgaaccacgg 300
 caagaatatt ccctgcggtg ctggatgttg agaaccctga gttcaagagg aaactggata 360
 gaatggttgt gagctatgaa aaactgctgg ctatangaga aacagatg 408

<210> 1421
 <211> 422
 <212> DNA

<213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-024-Q1-B1-C9
 <400> 1421
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 cgaaccacct tgtcttctct tagctcatcg aatctctccg tcgccgtcga ttcttcccgc 120
 cgggtgaatct ctgccttatt gttttcttca atttgatcgt cctgaattca tcgtcctatt 180
 taggggtttcg atcacaatct gaagaggagg tcatggacgt ttctgctaga aagtcacaaa 240
 aagctgggcg cgaaaagttg aggagggaaa aactgaatga gcattttgtt gaactgggaa 300
 atgtactcga tccagagaga cccaagaatg acaaagccac gattctgact gatactgttc 360
 agttgttgaa agagctcaca tctgaagtca acaaactgaa atctgagtta cacgcattga 420
 ca 422

<210> 1422
 <211> 268
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-032-Q1-E1-C4
 <400> 1422
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 aatgatgtaa gaaagatata taggtcttag gttctcttga caggggtcaaa gttggagacg 120
 ccgacgacga caccaatgat gacagtgagg acgaggccac cagaagcaat gctgagcaag 180
 aaattcttga gggaatgaga gattccacaa ccaacagctt cagctatctc cggaatcacc 240
 atcgaagcag taatagcagc cgcggaag 268

<210> 1423
 <211> 361
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-029-Q1-B1-H4
 <400> 1423
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taattttctct ccattttctct ttctctcttc cttcaaagtt ttctcttttc ttgatggggt 120
 taagagagta aagatcatca agtactatgc attaaattga gaagttatta aaaatttcga 180
 aagtaattaa agattgttga tgatgaagag attaagtagt tcagattcag tgggtgggtct 240
 catctcttta tgtctacaa cttccacaga tgagcagagt ccgaagagat acggtgggag 300
 agaatttcag tcgatgcctg aaagatacca agaagaagaa gaagctatag tagaagaaag 360
 a 361

<210> 1424
 <211> 382
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-025-Q1-B1-B5
 <400> 1424

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 gggtttaaga gagtaaagat catcaagtac tatgcattaa attgagaggt tattatcaat 180
 ttcgaaagtg attaacgatt gttgatgatg aagagattaa gtagttcaga ttcagtgggt 240
 ggtctcatct cgttatgtcc tacaacttcc atagatgagc agagtccgag gagatacgggt 300
 gggagagagt tgcagtcgat gcttgaacga tacgaggaag aagaagacgc tatattagaa 360
 gatagacgac acgtgggctt gt 382

<210> 1425
 <211> 355
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-023-Q1-B1-H6
 <400> 1425

gcaaaaacag agtttttttt tcttatcttg agaaagttca acagaagatg atgttcgaga 60
 aagacgatct gggcttaagc ttaggcttga attttccaaa gaaacagatc aatctcaa 120
 caaatccatc tggttctggt actccttctt cttcttctt tggattattc agaagatctt 180
 catggaacga gagttttact tcttcagttc caaactcaga ttcgtcacia aaagaaacaa 240

gaactttcat ccgagggaatc gacgtgaaca gaccacggtc tacaagcgga atacgggaac 300
aagaaccctg gataacctca actaacaatt caatcccaaa ctccaaaagg aaaag 355

<210> 1426
<211> 282
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-031-Q1-E1-C7

<400> 1426

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cccaaaggga ctcccttcag ggatgaactt cacattaacg aagacatgga catgcacgaa 120
agtgcaaaac ttgagaggca gagacgagag gaagctagaa ggagtttacg ctctggtttg 180
actgggcttc ctacgcaaaa gaacgagtac caaatagttg cacaacctcc tcttgaggaa 240
agtgaagagc cagaagagaa aattgaggaa gacatgtcag ac 282

<210> 1427
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-033-Q1-E2-G2

<400> 1427

cccacgcgtc cgggctcatc caacagctct tctacgtgct ctgatgaagg aaatgttgaa 60
atcatggaga gaaggaggat agagatggag aagaagaaga aaagaagagc tgttactgtg 120
gtagcaatgg aagaagataa cttgaaagat gatgatgctc atagacttac tctgaatctt 180
ggtggtaata atattgaggg gaatgggtgtg aaaaagacga aacttggagg agggattccg 240
agtcgggcga tttgttgtca ggtagacaac tgtggagctg atttaagcaa agttaaggat 300
tatcatagac gtcataaggt ctgtgagatt cattctaaag ctactactgc acttgttgga 360
ggaattatgc agcgggttttg tcagcaatgt 390

<210> 1428
<211> 347
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-033-Q1-E1-G2

<400> 1428

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gtagcaatgg aagaagataa cttgaaagat gatgatgctc atagacttac tctgaatctt 180
ggtggtaata atattgaggg gaatggtgtg aaaaagacga aacttggagg agggattccg 240
agtcgggcga tttgttgtca ggtagacaac tgtggagctg atttaagcaa agttaaggag 300
tttcatagac gtcataacgt ctgtgagatt cagtccaaag ctactac 342

<210> 1429

<211> 342

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-031-Q1-E1-H8

<400> 1429

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gaagagctcc atgctgcgac aaggcaaacg tgaagaaagg accatgggtca ccggaagaag 120
atgtgaagct caaggattac atcgacaaat atggcactgg tggcaactgg atcgcactgc 180
ctcagaaaat tgggctgaag agatgtggta agagttgcag actgagatgg ctttaattact 240
taagaccaa catcaaacat ggtggttttt ctgangaaga agatagaatc atcttgagtc 300
tctaaattag cattggaagc cgggtgtcca taattgcagc tc 342

<210> 1430

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB22-087-Q1-E1-D10

<400> 1430

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aaaacatttc aacttctttt atcagcaatc acaaataaaa gagatgggaa gagctccatg 120
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 acgtggcaat ttcaccaaag aagaggaaga tgctatcatc agcttacacc atatacttgg 360
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 aagaatgtta tcgaagctcc tctaccaaag gcacctctg atgcatctgt tttctctcat 360
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 tctg 424

<210> 1432
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-056-Q1-E1-H3
 <400> 1432

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 gtccccagg gactggtaaa actttaatgg ctctgacctg cgcagcacag accaatgcc 180
 ccttcttaa attggcaggc cctcaattgg tccagatgtt cattggagac ggagcaaagc 240
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<210> 1435
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 <223> Clone ID: LIB22-068-Q1-E1-A4
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 cctttgttcg aagattcttc agtcttccat ggagtcgagc actggacaaa gggtaagcga 180
 tctaagagat caagatccga tttccaccac caaaacctca ctgatgaaga gtatctagct 240
 ttttgccctca tgcttctcgc tcgcgataac cgtcagcctc ctctctctcc ggcggtggag 300
 aagttgagct acaagtgtag cgtctgcgac aagacgttct cttcttacca agctctcggt 360
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<210> 1436
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-051-Q1-E1-D4
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 cgagttccgt aaaggatcat gcccgaaagg agattcttgc gagtatgctc acgggggtttt 180
 cgagtcgtgg cttcaccccg cgcagtataa aaccgggctt tgtaaagatg aaacggggttg 240
 tgcaaggaaa gtttgtttct ttgctcataa acgcgaagag atgagacctg ttaatgcttc 300
 aactggctct gccgtggctc aatctccgtt tatcagcttg gagatgatgc caaggttgtc 360
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<223> Clone ID: LIB22-078-Q1-E1-H1

<400> 1437

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gtttatggaa ctgatgattt taggatgttt agctttaagg ttaagccatg ttctagggct 180
tattcacatg attggactga atgtcctttt gttcatcctg gtgagaatgc aaggaggaga 240
gacccatgga agtatcctta cacttggtgtg ccttggtccc agtttcgtaa aggtccttgt 300
cctaaaggag attcgtgtga gtacgcgcac ggtgttttcg agtcttggct tcaccggcgc 360
cagtatagga cacggccttg caaagatgag actgggtgtg ctaggagagt ttgtttcttt 420
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<210> 1438

<211> 422

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB22-075-Q1-E1-D4

<400> 1438

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aacagaaatc gaatcaaggc aaaaggaaga agaaacaatg cttctcctcg aattcgctgc 180
ttgtgatgat cttgactcgt tcaagagaga ggttgaagag aaagggcttg atttgatga 240
gtcagggtta tggatttgca gacgtgtcgg ttctaagaag atgggtcttg aagaaagaac 300
acctttaatg ggtgcagcta tgtatggaag cataaagggt ttgactttca tcgtttccac 360
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tg 422
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<210> 1439

<211> 339

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB22-034-Q1-E2-G1

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tggaagaagt gagctacaag tgtagcgtct gcgacaagac gttctcttct taccaagctc 360
tcggtgggtca caaggcaagc caccgtaaga acttatcaca gactctctcc ggcggaagag 420
atga 424

<210> 1442
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-004-Q1-E1-G7

<400> 1442

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tttctccatg aacggagttg gtggtggggg aggaggagga gggaggtttt tcggtggagg 180
aattggcggc ggaggaggtg gtgatcgaag gatgagagct catcagaaca atataactta 240
ccatcatcaa tctctcaagt gtctcgttg taattctctt aacacaaagt tctgttacta 300
caacaattac aatctttctc agcctcgta cttttgcaag aactgtcgtc gttactggac 360
taaacgtggt gttctccgta acgtttccgt ccgaagtggg tgccggaaag ctaaacy 417

<210> 1443
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<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-075-Q1-E1-G6

<400> 1443

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ctcaaattct tcatgaatat ctctgcttat cgatcaagtg agagcaaagt caatttttaa 180
gagccagcta ttggatctat aactgaagag gatatatata gagatgatga gttcttcttc 240
tccaacacaa cttgcatctt taagagacat gggaatctat gagccatttc aacaaattgt 300

cggttgggga aatgttttca aatctgatat caatgatcat agtcccaata ctgttacttc 360
ctctattatt caggttgatc ctagaattga tgatcacaac aacaacatca agataaatta 420
tga 423

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<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB22-063-Q1-E1-H9
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agtgatgtca ggaggagtag gagatgaaag agagacaacg ttggagtggg gaagaagatg 180
cattgttacg tgcttacggt agacagttcg gtccgagaga atggcatctt gtgtctgagc 240
gtatgaacaa acctttgaac cgtgacgcca agtcttgttt agagagatgg aagaattatc 300
ttaagccagg gatcaagaaa gggctcttga cagaggaata gcagaggctt gtgatccgtc 360
ttcaggagaa acacgggaac aagtg 385

<210> 1445
<211> 392
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB22-088-Q1-E1-F11
<400> 1445

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aagacatctt ctccgcttct tcttccggtg gttccaccgc cgctacttcc tcttcttctt 180
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cgcaattcgt ggacgattct ttcgctgatt ttccggcgaa tccattagga ggaactatga 360
cttctgtcaa aactgaaact tcctttccgg gg 392

<210> 1446
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 1446

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 aggcaagttc gattatcttg ctaaccagtg gcagatgata cactctgggc tctccctgaa 180
 gttacatgaa tctcctaagg tacctgcagc aactgatgcy tctctccaag ggcgatgcaa 240
 tgttaaatac agcgaatata ctgttcttaa tgggtctatcg actgagaatg ctggtggtaa 300
 ctggccaata cgtccacgtg ctttgaatta ttatgaggaa gtggtcaatg ctcaagcgca 360
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<210> 1447
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 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB22-015-Q1-E1-A11

<400> 1447

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 caaagagggt gttgggttg agaaataatta gcttgtaag gaagacgtta tgatgcatca 180
 gatgttgaat aagaaagatt cagctactca ttccactttg ccatacctta atactagcat 240
 ctcttgggga gtgggttcaa ctgattccgt tgctaatacg cgcggttctg ctgaatcact 300
 aagcttgaag gttgattcaa gacctgggca tatacaaact acaaagcaaa tcagttttca 360
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<210> 1448
 <211> 416
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-032-Q1-E1-B8

<400> 1448

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ttcatctgag tctcttttac ttctctcaaa gtatcgatct ttattcttct ttttgtaaac  180
cctctctctc tctctgattt ctactgacct gtttggaaga tatgatggct catcactcca  240
tggacgatag agactctcct gataaaggat ttgattccgg caagtacgtt agatacacgc  300
cggaacaagt tgaagctctt gagagagttt atgctgagtg tcctaaacct agctctctga  360
gaagacaaca gcttattcgt gaatgtcnca ttctctgtaa catcgagcct cgacag      416

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<210> 1449

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-041-Q1-E1-F7

<400> 1449

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atttcttcat ctgagtctct tttacttctc tcaaagtatc gatctttatt cttctttttg  180
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ctccatggac gatagagact ctcttgataa aggatttgat tccggcaagt acgttagata  300
cacgccggaa caagttgaag ctcttgagag agtttatgct gagtgtccta aacctagctc  360
tctgagaaga caacagctta ttcgtgaatg tcncattctc tgtaacatcg agcctcgaca  420
g                                                                    421

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<211> 386

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB22-086-Q1-E1-F5

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 gtttggaaga tatgatggct catcactcca tggacgatag agactctcct gataaaggat 360
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<210> 1451

<211> 327

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB22-013-Q1-E1-A1

<400> 1451

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 aaaaggagac atgcaaaaat aaatctctat cccttggttt tcttcttcgc ttcattcgatt 180
 actcaaagag gttgttggtt gtgagaataa ttagcttggt aaggaagacg ttatgatgca 240
 tcagatgttg aataagaaag attcagctac tcattccact ttgccatacc ttaatactag 300
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<210> 1452

<211> 457

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB22-031-Q1-E1-A4

<400> 1452

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atctatacct caacaagatg gtgcaagcga tgctatccct gaggcaaact ttgaatgtgc 180
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 acccaatata tacagttttc aaaggaccaa tgacaagttt aatgatggca aaactcctgg 360
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<210> 1453
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-056-Q1-E1-G12
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 ctctactcta tcaactccatc tgtgaacata tctttcttat tcttctaggc actatctatt 180
 tttcactttt tgtaattgga atttgagat ggctatgcaa actgtgagag aaggtctctt 240
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 tctcgccggc gattctgact cattcgccgg agttaaggct ggatctgtcg gagagacagg 360
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<210> 1454
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-014-Q1-E1-E7
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 tgaacatata tttcttattc ttctaggcac tatctatttt tcaacttttg taattggaat 180
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383

<210> 1457
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<210> 1458
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-059-Q1-E1-C11

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aactgtgaga tatgtg 436

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 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-064-Q1-E1-H5
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 gtttcttctt ctgttggacc tgagtactac gttgggattt tgtccttcgt tgataaagat 180
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<210> 1460
 <211> 332
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-022-Q1-E1-A3
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 gaagcagaaa tggccatagg cggcggcgag acttccgacg gtgactccgt ctactaagtg 180
 taagctccgg ttactgaaat tggaacggat caaggattat ttgttgatgg aagaagagtt 240
 tgtggcgaat catcagaagt tgaaacctca tgaacacaaa gctgacgaat atagatctaa 300
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 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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<211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB22-081-Q1-E2-A5

 <400> 1466

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 acttggttgg caacattgtc gagattttgg agatgaatcc agaagatgat gctgaggaag 360
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<210> 1467
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB22-017-Q1-E1-A6

 <400> 1467

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 aagatacgtc aagcttcgaa gaggatcagc ttgcttccat gtccaccgaa gatatcacta 180
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 acaagcagct gccttacttg gttggcaaca ttgtcgagat tttggagatg aatccagaag 360
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<210> 1468
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB22-008-Q1-E1-F8

<400> 1468

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caccagatcc atcagcagca gcagcagcaa cagctggcac agcagcttca agcatttttg 180
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actagaaccg ata 433
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<210> 1469

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB22-043-Q1-E1-B12

<400> 1469

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gattacggcc aacagactcc ttcggctctct ttaataccga cgaccttgga gtggttgaag 180
aagaggattt ggaatggatt tcaaacaaaa atgcttttcc ggtgattgaa acattcgctc 240
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taaaacagct gagtcgggtt tcagtacttg agacgagtag ccatagctcc acaacgacta 360
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<211> 426

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-026-Q1-E1-B8

<400> 1470

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 aaggcttgct tcaaatgctc tcaactgcaa agcagacttc aactgagcaa ttattcatca 360
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 ttcagc 426

<210> 1471
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-076-Q1-E1-B3
 <400> 1471

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 tcttggtcaa ctttgtccac ttgttcggag atcgaagatg ggattttgta gcgaaagttt 180
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 caggttaagg tgggttaatt acctgcatcc tgggtctcaa cgtggtaaga tgactccaca 300
 agaagagcgt ttagtccttg agcttcacgc caaatgggga aacagggtgt caaaaattgc 360
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 gaagaagctc aagagaag 438

<210> 1472
 <211> 355
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-035-Q1-E1-D8
 <400> 1472

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atgcactcac aatggccacg cctctcggac ttgtcccaac cgcggcgtga tgctcttttg 180
tgttcggctc agcgaagggt cgatccggaa atgtgcaagt atgggtaatc ttagccatta 240
cacgggttct ggatcgggtg ggcttggaac cgggttaaaa actccgggtt ctccgggtga 300
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<210> 1473
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<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB22-056-Q1-E1-G9
<400> 1473

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gttggtgatt tttcaatttc tgggttaatt ttttttaggg ttttcatttg gaatcatgtc 180
ggatgcgtat tgtacggatt gtaaaaagga gacggagttg gttgtcgatc actcagccgg 240
agataccctt tgctccgagt gtggttttgt tttggaatct cactccattg atgagacctc 300
tgagtggcgt accttcgcta atgaatcttc caacagcgat cccaatcgtg tcggtgggtcc 360
aaccaaccgg cttct 375

<210> 1474
<211> 417
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB22-055-Q1-E1-F7
<400> 1474

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aaacgaaaac caactcaagt aggagttgca caaagggtca caagcaggga attgcacttg 180
gccgttcagt ggatctttca aagttccaaa actatgagga gttagtcgct gagctggaca 240
ggctgtttga gttcaatgga gagttgatgg ctctaagaa agattggttg atagtgttaca 300

atcgtttctc tcaaatttag ggttttctct tttctcgaaa gtcttgcggt tttctgaatc 120
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gagttcataa ttcgcgatct tgatctatcg atcttcattt atatataaaa gcgtgaatga 240
gattatgatg gagtcgaaag gtggtaaaaa gaagtcacgc agtagtagtt cttattttta 300
cgaagctccc ctcggttaca gcattgaaga cgttcgcca aactgtggaa tcaagaaatt 360
caaactttct gtctactcaa actgctcaaa gaggccat 398

<210> 1480
<211> 362
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB22-080-Q1-E2-B7
<400> 1480

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tcaccgcagc ttctctgaag aagtctctgt tcttgatggg cactttactc agctgggctt 180
gaacagcgta gcctacttga tgggcaatga tgatgagact aagaaatggc atgtctatgc 240
tgcctctgcc caggactcca gcaactgcaa caacaatgtc tacactctcg agatgtgcat 300
gactggtctg gacagagaga aagctgctgt cttctacaag gatgaagctg acaagactgg 360
gt 362

<210> 1481
<211> 388
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 1481

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ttgatatctg gagaaagggg tttctggaaa caaggagttc ataattcgcg atcttgatct 180

atcgatcttc atttatatat aaaagcgtga atgagattat gatggagtcg aaaggtggta 240
 aaaagaagtc cagcagtagt agttccttat ttacgaagc tncctcgggt tacagcattg 300
 aagacgttcg tccaaacggg ggaatcaaga aattcaaac ttctgtctac tcaaactgct 360
 caaagagggc atccctgagt acagcgtg 388

<210> 1482
 <211> 403
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 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-068-Q1-E1-B3
 <400> 1482

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 ctctcctcct actacaagtc ctgtcgtc cacaacaagg cgagatgctg ttatctgcaa 180
 tcggtttcga aggttacgag aaacggctcg aggtgacttt ctttgagcca cacatctttc 240
 aagactccaa gggactggga ctccgtgctc tgaccaagtc ccagcttgat gaaattctta 300
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<210> 1483
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-044-Q1-E1-A2
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 ctggagaaag gggtttctgg aaacaaggag ttcataattc gcgatcttga tctatcgatc 180
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 gtccagcagt agtagttcct tattttacga agctcccctc gggttacagca ttgaagacgt 300
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385

<210> 1484
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-068-Q1-E1-B8

<400> 1484

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gtttcgtttg atatctggag aaaggggttt ctggaaacaa ggagttcata attcgcgatc 180
ttgatctatc gatcttcatt tatatataaa agcgtgaatg agattatgat ggagtcgaaa 240
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agcattgaag acgttcgtcc aaacggtgga atcaagaaat tcaaactctc tgtctactca 360
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<210> 1485
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-060-Q1-E1-E10

<400> 1485

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gagaaagggg tttctggaaa caaggagttc ataattcgcg atcttgatct atcgatcttc 180
at ttatatat aaaagcgtga atgagattat gatggagtcg aaaggtggta aaaagaagtc 240
cagcagtagt agttccttat tttacgaagc tcccctcggt tacagcattt aagacgttcg 300
tccaaacggg ggaatcaaga aattcaaata ttctgtctac tcaaactgct ccaaaaggcc 360
atcctgagta ccagcgtgca ccgatcttca taatatag 398

<210> 1486
<211> 413
<212> DNA

<213> Arabidopsis thaliana
 <223> Clone ID: LIB22-018-Q1-E1-D6
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tctggagaaa ggggtttctg gaaacaagga gttcataatt cgcgatcttg atctatcgat    180
cttcatttat atataaaatc gtgaatgaga ttatgatgga ctcgaaatgt ggtaataaga    240
agtccagcag tagtagttcc ttattttacg aagctcacct cggttacagc attgaagacg    300
ttcgtccaaa cagtggaaac aagaaattca aatcttctgt ctactcaaac tgctccaaaa    360
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<210> 1487
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 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-028-Q1-E1-E8
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aaagcgtgaa tgagattatg atggagtcga aagggtggtaa aaagaagtcc agcagtagta    240
gttccttatt ttacgaagct ccctcgggtt acagcattga agacgttcgt ccaaacgggtg    300
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<210> 1488
 <211> 398
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 <223> Clone ID: LIB22-041-Q1-E1-G9
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agaagtccag cagtagtagt tccttatttt acgaagctcc cctcggttac agcattgaag 300
acgttcgtcc aaacggtgga atcaagaaat tcaaattctt tgtctactca aactgctcca 360
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<210> 1491
<211> 423
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-005-Q1-E1-B2
<400> 1491

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gcattgaaga cgttcgtcca aacggtggaa tcaagaaatt caaatcttct gtctactcaa 360
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ctt 423

<210> 1492
<211> 404
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB22-042-Q1-E1-C8
<400> 1492

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tggacagcat taagatagag agcttgtatc cagaagagat gggacctgga ctcatgtctg 300
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<210> 1493
 <211> 390
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-086-Q1-E1-G7
 <400> 1493

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<210> 1494
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-001-Q1-E1-F8
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430

<210> 1495
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-044-Q1-E1-E1

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<210> 1496
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-068-Q1-E1-A10

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<210> 1497
<211> 391

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 1497

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<210> 1498
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB22-028-Q1-E1-F1

 <400> 1498

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<210> 1499
 <211> 457
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB22-018-Q1-E1-E7

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gttaccagat cgctttggcc atcaaggacg aagtcgagga tcttgagaaa ggtggaatcg 240
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atgctttcta cttggactgg gccgtccact ccttcagaat caccaactgt ggagtccaag 360
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<210> 1502
<211> 425
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-G3

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agactgtaca gctcaggaga gttcgctgtg agtacaatgc caaaaaggtc tcagaggang 360
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acatc 425

<210> 1503
<211> 415
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB22-007-Q1-E1-B3
<400> 1503

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<210> 1504
 <211> 369
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-037-Q1-E1-B8
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 cctaattcttt cacctgtgta aaacctaatt tatcaatctc caacaacaag atcagatatg 180
 aaatgactga atctggtgga tcaaggaggt accggcatga aaagtgaggc tcccatcgga 240
 cccaagaaaa caagttttgg aatcggtcac cgggtcaacta ctaaccttct cccgattccc 300
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<210> 1505
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana
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 tccatgcctc cgccgggatt tcttctcat tcaccgggga cgctggatta tcctccagga 180
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 tctgctgac tcaggtcatc catctggaaa cagatgtctg ccgctgggac taagttcatc 240
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 gttccaccta ggtatggata cactgggtgg gagatcgcc ttgatgttta cttctccatg 360
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 cattaca 427

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 tgggctgttc actctttcag aatcaccaac tgtggcgctc aagacagcac tcagattcac 240
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 <213> Arabidopsis thaliana
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<210> 1513

<211> 357

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB22-045-Q1-E1-B4

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agagctcaag tttgcattgg agtctttctg ggatggcaag agcagtgccg atgatttgca 180

gaaggtgtct gctgatctca ggtctgatat ctggaaacag atgtctgctg ctgggattaa 240

gtatatccca agcaacacct tttctcatta tgaccagggtg cttgacacca ccgccatgct 300

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<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB22-080-Q1-E2-D12

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ctttctggga tgggaagagc agtgccgatg atttgcagaa ggtgtctgct gatctcaggt 180

ctgatatctg gaaacagatg tctgctgctg ggattaagta tatccaagc aacacctttt 240

ctcattatga gcagggtgctt gacaccaccg ccatgcttgg tgcagttcca tctagatatg 300

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<210> 1515

<211> 373

<212> DNA

<213> Arabidopsis thaliana

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gctgtcctat agcataacat cctttgggtt aaccctgact gtggtctcaa gacccgtatg 240
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<212> DNA
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aacacggttg atgcagttaa gctcatccgc tctcatctcg tcagtgccaa gtgtcgaaga 180
gcttgatttg aacaatgaaa cgtttttttt tctctaacat ggatgtgttt tagttgggtt 240
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tgtcgagaga gacaaaggct atagcatcat ttggatttga tgcaatgtca gtgattatcc 360
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<210> 1519
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<213> Arabidopsis thaliana
<223> Clone ID: LIB22-074-Q1-E1-G3
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tctttctggg atggcaagag cagtgccgat gatttgcaga aggtgtctgc tgatctcagg 180
tctgatatct ggaaacagat gtctgctgct gggattaagt atatcccaag caacaccttt 240

tctcattatg accaggtgct tgacaccacc gccatgcttg gtgctgttcc atctagatat 300
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 ggatatccac gtatgggccc taagagagag ctcaagtttg cattggcatc tttctgggat 180
 ggtaagagca ctgctgagga tcttcagaag gtgtctgctg atctcaggctc atccatctgg 240
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 caggttcttg acaccaccgc catgctcggg gctgttccac ctaggtatgg atacactggt 360
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<210> 1521
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 caagtttgca ttggaatctt tctgggatgg taagagcact gctgaggatc ttcagaaggt 180
 gtctgctgat ctgaggtcat ccatctggaa acagatgtct gccgctggga ctaagttcat 240
 ccctagcaac acctttgctc actacgagca ggttcttgac accaccgcca tgctcgggtgc 300
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<210> 1522

<211> 430

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB22-069-Q1-E1-A6

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cacctaggta tggatacact ggtggtgaga tcggccttga tgtttacttc tccatggcta 360
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<210> 1523

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB22-079-Q1-E1-G6

<400> 1523

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caccaagacc attgacttga tcaagtcagg tttccacag ggcaagtacc tctttgctgg 360
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CCCTGCTCAG TAAAAGAAAA

<210> 1524
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana
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 gagctcgccg aagttgagat gcctggactc atggcttgct gtaccgaatt cggaccttct 180
 cagccattca aaggcgctag aatcaccgga tctcttcaca tgaccatcca aaccgccgta 240
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 tccactcaag accacgccgc cgcagccatc gctcgtgact ccgccgctgt tttcgcttgg 360
 aaaggtgaga ctcttcagga gtactgggtg tgttacgagc gtgctctaga ttgggggtcca 420
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-003-Q1-E1-D11
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 gcattggaat ctttctggga tggtaagagc agaagaagct caatctccca atcctaccaa 180
 ccacaaccat tggatccttc ccacagactg tagagctcag gagagtctgt cgtgagtaca 240
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 ttgttgacct ccaagaggaa cttgacatcg atgttcttgt ccacggagag ccagagagaa 360
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<210> 1526
 <211> 505
 <212> DNA
 <213> Arabidopsis thaliana

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<223> unsure at all n locations
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<400> 1526

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acactcttgt caagaaactc cactgatctc ttcaggagtt tcggatttga tacacaacct 420
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<210> 1527

<211> 442

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
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<210> 1528

<211> 508

<210> 1530
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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 aatgtcgccg gtaacttcta tttcttactt gtaggatacg taatcaatcc tctagacgtc 180
 tctgcttgca taaggaattg gacattagtgt ttttaagtga atcctagaaa tccggaattg 240
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 ggattgtata tgggtttgtg aagctgatat cttgatttct gctgaaacag cgattgagac 360
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<210> 1531
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-089-Q1-E1-G11

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 ctgaggaaaag ggtagacctt gatggtgaca atgacacctga ggagattctg gaggaggaag 240
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<210> 1532
 <211> 507

<210> 1534
 <211> 474
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB22-089-Q1-E1-G5

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 ttcgacgaat gtgtttataa atctttttat tttctatctg tcttgattta gttttatctt 180
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 acnaggaggc gttagctgta attcattgta nacttgcttt ggcnattaaa gcccgtcaca 360
 caaaaaaag taaaaagcaa canacncncn tnnattgnaa ncactttttt aaggganaag 420
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<210> 1535
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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487

<400>	1536
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<400>	1537
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atntgacacc tgagaatggt naagcaacac cggaanannn ccnggaanaa nccaattncc 480
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<210> 1538
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 1538

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tttgcantca aaagaatcct cgtcnctg 509

<210> 1539
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-089-Q1-E1-F5

<400> 1539

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 tgaaataccc tantgaacat ggngtttgtt aacaaatngg aangaaatgg aaaaagattt 420
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<210> 1540
 <211> 526
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 1540

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 ttcccggaaa attttggaaat cggtagtct ctatcgatta ctggtcaacc atgaatatct 180
 ttagatttgc tggcgatatg agtcacttga tcagtgtctt aatccttctt ctcaaaatct 240
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 agattgtctt cattgccagc tctttggcta tcgtttggtg tatgcgtaag catccacntg 420
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<210> 1541
 <211> 486
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 tctttctttc ttcttctttg ctttctttca agtgctttcc ctctctcatt ctcttcttcc 180
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 ctgtaagcaa gaaagtcaag aaaatcctgc aagaaaatcc caaaggggtt tcaacgaaca 420
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 atcaan 486

<210> 1542
 <211> 518
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-089-Q1-E1-D6
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 tcgccgattt cccgctcgtt tttctccgat cggttctaga atcgcttcca gaagcctcgt 240
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 gaccaaagag gcttacgcac cttatgagag accggctttg acaaaaagct tacttgtttc 420
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<210> 1543
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 gggggaaaat aaccggcgag ggattgagca acagcgtgag tcccaaagtg agagacagtg 120

tgaatcccaa agtgagagag tgagtgtttt agcgacagag agatatggcc ggattaacga 180
gaacggccgg tgcttttgcg gtaactccac acaagatctc cgtttgcatt ctctgcaga 240
tatacgctcc ttccgctcag atgtctcttc cttttccttt ctcttccgtt gtcagcaca 300
accgctcgg cctctacttg ctctctctta ctaagtcttg cgatgatata tttgagccga 360
agctggaaaa gctcatcaac cagttgaggg aaattggtga agaaatngac ctttgggtaa 420
atggacaatt taactaanaa natttcccc tttggcttca ccagatgatc aatnaaattt 480
ctttaatgac atgcgag 497

<210> 1544
<211> 456
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-089-Q1-E1-D9

<400> 1544
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ttaagcaaat aaacaaaaaa gctcctatct tttttattcc aatgggtcca acactcttga 120
caaccaatt ctcaaattca gctgaagtaa ccgactttgt agtctacaaa ggaaatggtg 180
ttaagggttt atcagaaaca ggaatcaaag ctcttccaga acaatacatt cagccacttg 240
aagaacgact catcaacaaa ttcgtcaacg anacagatga agccattcca gttatcgata 300
tgtcgaacc tgatgaggac agagtcgctg aagctgtttg tgatgctgct gagaaatggg 360
ggttctttca agtgatcaat catggagttc ctttgggaag ttcttgatga cgtaaggnt 420
gcgactcaca agttcctcaa tctccctggt gaagaa 456

<210> 1545
<211> 398
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-089-Q1-E1-E12

<400> 1545
actccgatga atggagtttt aggaatgctg aaaatgctga tggacaccga tcttgatgcy 60

aagcagatgg actatgcgca aactgctcat ggcagtggga aggatcttac atcactaata 120
aatgagggttc ttgatcaggc aaagattgaa tccggaaggc tgcagcttga aaatgtgcct 180
tttgatatgc gttttattct tgataatggt tcatctctcc tctctggcaa ggcaaataa 240
aaaggaattg agttggccgt ttatgtttct agtcaagttc ctgatgttgt agtcggtgat 300
ccgagtcggt tccggcagat cattacaaac ctggttgaa actcaatcaa attcacacag 360
gaaaggggac acatatttat ctcaagtcan cttgcaga 398

<210> 1546
<211> 490
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-089-Q1-E1-E2

<400> 1546
cgacccacgc ctccggcacc aacgnccata actggcactg ggtccgaaac caattgcctt 60
gaatggtctc gcaacttctt caccaaaca ttctccggcg ttgatatcct ctccggcgaa 120
ggtaatcttt tcatcaaggt cagtaagatc gagaaagtcg aaggcgaggc ttatgtgaat 180
gtgaggaagg ggaagattat ccctggctac gagcttaacg tctctttatc ttgggaagg 240
gaggctaaag attccgatgg gaagacgctt ttgaaagctg atggattggt cgatatgcct 300
tatatctccg atgagaatgc tgatgaagat ccggagatta ggttttcggt gaaggatnag 360
ggaacgattg ggaagacttt tgaaggaacc cattgttaan aaaggggaaa gggaaatttt 420
tcgggaaaag gttnggggtt aagttnnagg ctatggcnaa aaggaaggcc ctttttaggg 480
aatgaattgg 490

<210> 1547
<211> 519
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-089-Q1-E1-E4

<400> 1547
tacgccgncc ttaccggcc caaaaattcc cggaatcgac ccacgcntcc gaaacccaaa 60

agaaactagg aagaggagta aataatattt gttttaaaga aatgattctc cacaaaatgg 120
 cgttcttggc cgttattctc ttcttcttga taagcagcag cagcgtttgc gttcatagcc 180
 gtgaaacggt tgcttgcatg acaaaggacg cagcaacagc tacactgaga ttctgccagc 240
 tttcagttcc tataccggag agagtcagag atttgatcgg acggttgaca ttggccgaga 300
 aagtgaactt gttagggaaac actgcggcgg cgataccacg tctaggaatc aaaggggtacg 360
 agtgggtggc ggaggcttta cacggcggtt caaatgtggg aaccggtact aagttccgtg 420
 ggggggttanc cgnaancaac aantttcccc caagtcacac ccaccgttgc ttctttcaan 480
 gccnccttgt gggaaaccaa ccggacgggt tgtgtcaaa 519

<210> 1548
 <211> 475
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-089-Q1-E1-E9
 <400> 1548

ntttttacgc cgcccaggta ccggtcanag aattcccggg ncgacccacg cgtccgggat 60
 cataaaagca aagcaaagga ttagttcaat tgcaattctc taattcaaag tttggatccc 120
 taactgtaaa atccctaatt cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnagt 180
 aaccgtccta agaatttccg gcggcgaggg gacgacggcg gcgatgaaat tgacggtaaa 240
 gttgctaccc cctcgtcaaa accgacttcg actctttcct cctcgaaacc taaaacactc 300
 tcagcctcgg ccccgaagaa gaaactccta agtttcgccg acgacgagga ggaggaagaa 360
 gatggagctc cccgtgtgac gataaagcct aagaacggca agagaccgtg tcaaactcctc 420
 ttcccgctc ggcgtttcgg gatnttctca caagacactc ctcaaacaag ggaac 475

<210> 1549
 <211> 513
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-089-Q1-E1-F1
 <400> 1549

tacgccgnct ttaccggcca aaattcccga atcgaccac gcgtccggtc cttttaagc 60
tccaaaagat tgttgctttt tctcttgctt aagtttttga tttattcttc ttcttcgaaa 120
agtctgtacc tcgcaagagt ttgattgtcc ttgtgttgcg atttccatgt ttagtatctg 180
catttgatag ccttcgatgc tgcattgcaat tcccaagact ctttctgatt gctacaacgc 240
cgtgatttct ctctgccatt tccttcgatt tgatttctgg gttctcttct tctcgtctct 300
cttctgcatg ttctgccact ctacctaga aaaaagggtta ctttcgcctc cgatttaggc 360
tcgatttgat gaattcgtcg tcgtgtggct atttatcaaa ttgagcatta agggttctga 420
attgtggggg tcaaaaatgg ttttaaccaa ccggnctggg ngttttttgt ccgctacaaa 480
aagcctaatz gattctcaaa aggggtaatz ttg 513

<210> 1550
<211> 215
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-089-Q1-E1-F2
<400> 1550

aaaattcccg anacgaccca cgcctccgca aacgtatcnt tctttctttt tttctcgtaa 60
gtgttgctt ttattaaaac gaagtgtgcg tatcttgttt tcacgcttgc taattaaatc 120
attgtaaaca aanaataatt aaataaagtt tggtttctnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngg 215

<210> 1551
<211> 528
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-089-Q1-E1-F3
<400> 1551

ttacgccgnc ctttaccggc caaaaattcc cggaatcgac ccacgnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngaattcg agaaccagat 120
ctactaatta cctgagagaa aaaagatctg ctctgtttgt ctgaaacaga cagaagtcaa 180

caaatctttc atttgttttt tagcaaatca aagaaatggc cggagggttc gtcagtcaaa 240
cgccgggtgt tcggaactac aattacaaac tgacaccgaa agtgtttgtg acatgtttca 300
tcggtgcttt tgggtggtctc atcttcggat acgatctcgg gatctcagga ggggtaacct 360
caatggagcc attcttggaa gagttcttcc cttacgtcta caagaagatg aaagaacgca 420
catgangaac gaatacnggt cnaatttggg aaantaanct tcnnaanccn ctttaatttc 480
gnccccccna agntggcggg tttgggngtc cttctctent tgcctcca 528

<210> 1552
<211> 496
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-089-Q1-E1-F4

<400> 1552
ttcncggaac cgacccacgc gtccgcccac gcgtccgaa gttttatgag gaccgagaga 60
actaagttta agaaaaatgt tgaaaaaagc gtattagcag agggacaaac gctttttagg 120
gttttagatt tcctctgaga gagaattttc gaaagcttga gagagatttc caactacgtt 180
agccatggcg agcaccaaag ttcaaaagat tatgaccaa cctatcaact tgatttttag 240
gtttcttcaa agtaaagcta ggatccagat ttggctattt gagcagaaag atttgaggat 300
tgaaggaaga atcactgggt ttgacgaata catgaatcta gttttggatg aggctgaaga 360
agtgagcatc aagaagaaca ccaaggaaac caccttggaa ngggttttac ncaangggng 420
ncancataac nctgatggat gaacncnggg aaagtgatgt cngtctcaaa caactctctt 480
cgatgacctt caagct 496

<210> 1553
<211> 415
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB22-089-Q1-E1-D12

<400> 1553
atacacactt cttctcttaa caacacaaca caactttgaa tttttcaccc tcactttcat 60

ttatctcaaa tctccttcca gaaaagcgag ggaatagtgt tgttgagagg tttgtgattt 120
 ccttttgaaa aaatgatggc ttgtggctta agcaagagcc ttggcttgtc ttcttccttg 180
 aagaagcaac aaggcatagt gagtatcctt ggtggcattt cgtcgaacac ttcattctgca 240
 ccttcactta ggcgaaacttt ctccgccgat ttgtcctcca agacttgggt ttcccaaaat 300
 gggttttctc ctatgaagag aatctcttcc tctgagaagc ttcgtcctga cgaagaagaa 360
 gcagaggaag aatcaagatt cggagtcgat atctgggcac aagattcaac aaaga 415

<210> 1554
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-089-Q1-E1-A8
 <400> 1554

gattactgat tcttcattga cggtaggagt caccactttt ggcggcgatt ccttgttctc 60
 tatttttttt gcacaagcaa catttagctt ctgcaaactc cagttcatct ctcaaccctc 120
 atatcgccgt gttttctcgc tctagtaccg cgagctcgga cgaaccagga agcaatccgt 180
 taatctagaa gcggtgttga gaagatgacg attacatcaa atatctctgt acagaacgat 240
 aacctcgttg ttcaaggga gactatcctt accaaaatcc ctgacaacat taccctaact 300
 ccggttaccg gtaatggatt cgtttccggt tcatttatag gcgcgacgtt tgaacaaaag 360
 caaagagtcc tcangtggtc cccaaacnqn gttatnggag ggnncttcgg gttaatgtgc 420
 ngtttccggt ttaanccaag g 441

<210> 1555
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-089-Q1-E1-B1
 <400> 1555

nacgaccac gcctccgcta agagtaaggc ggaggctaaa aggactaaat atatgtttac 60
 accaagtga tctaattgatg tttcagacct acatgagaat ttgctaagcc acagggacgc 120

aatgcattcc tcctttgccg gtggtgatac tcgttattca gattatgacc ctcctaattt 180
 tttggaagat atggaatcag attattctga atctgaaact gattcttctg atatggagga 240
 ggatactgat gatgacattc ccttgctgtc aggagctggg cgtcattccg agcgacgcaa 300
 tacttttagt agacatacgt caggagaaga tgaaagtaca agcantgagg aagatnatta 360
 tgagtcattc atttctggnc nactcctccc aacctttatt ccnaaatccc taatatngag 420
 gctaantacg ggtttccaac tggcaagcnc aaggggaaaa agaaacttcc gggactcttc 480
 caaggaaaag 489

<210> 1556
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-089-Q1-E1-B11
 <400> 1556

gccgcccaga naccgggtcaa ganntcccg gncgaccac gcgtccggag aagttagatc 60
 ttcttcttcg tgagctatgc catttacgat gaagatccaa ccgattgata tcgattcttc 120
 accaaccgta gctagagctg aatcaggaaa caaaccgggtg ctcaaattctc gtctcaaacy 180
 tttgtttgat cggccgttta caaacgtatt gagaaactca acaactacaa ccaccgagaa 240
 accattcggt gtcaccgggtg gtgaagttca atgcggcgga gtagtgacgg agttcgagcc 300
 gagtctgtgt tgcttagcga agatggtaca gaacttcatt gaagaaaaca acgagaaaca 360
 agctaaatgt ggacgtaatc gttgtaattg ctttaacggc aacaacgatg gttcttccga 420
 tgatgaatca gatnt 435

<210> 1557
 <211> 494
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-089-Q1-E1-B2
 <400> 1557

ttacgccgnc ctttaccggg ccaaaaattc ccggaancga cccacgcctc cgcgggacgc 60

gtgagggaag aaaacttcgt ctctcttctc tgcttcgccc tctcatttcc tgtgagataa 120
 aggcggagtc tctctccaag ttattttgct catccatcga ttcttagagt tcaaaatggt 180
 tgatcaagtt cagcaaccca ctattgcgca gaaagctgcc gggcaagtcc atgcgttcaa 240
 gtgtttccaa ggacgttcaa ttgggttacc agaggccttc tatgtatcaa agacatgcaa 300
 cctacggaaa ctactccaat gcggcatttc aatttcctcc gaaatcccgg atnttgaaaa 360
 aatggcttcc ccgtgtttgt ccaaaccnag gaaaaaaggg gtncacnaac tttgcccttg 420
 atttccaaag gggnggggnt tccgngngng ttcccaaaaa gggggggggc ccaaattggaa 480
 ggtnttaacc tttt 494

<210> 1558
 <211> 508
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-089-Q1-E1-B3

<400> 1558
 ttaccggncc aaaaattccc gganccgacc cagcgtccg agctattccc nctagcctaa 60
 caagagagag cccttatctg acccatccaa tcttcaacat gtaccacacg ggagcatgag 120
 ttgcttaggt acatccacaa gttacaaaat aaagatctat cattgtgcca cagcatgatt 180
 ccacttggat cttgtacgat gaaattgaat gccaccactg aaatgatgcc agtcacatgg 240
 ccaagtttca ccaacatgca cccttttgct cctgttgaac aagcccaagg ttatcaggaa 300
 atgtttacga atttgggtga gctcttatgt acgatcactg gatttgactc tttctcattg 360
 caacctaatg ccggtgctgc tggcgaagta cgccgggctc aagggtatcc cgttcataac 420
 caaatgtcaa naggcgatca tcacagaaat gtgtgcatca tacctgtttc tgcacacggg 480
 acaaaccctg ctagtgctgc catgtgcg 508

<210> 1559
 <211> 515
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-089-Q1-E1-B5

<400> 1559
 cctttacgcc gccaaatacc ggtcnagcat tcccgggtcg acncacgcgt ccgagtgaag 60
 taacttcaaa ggccttaaac tcacttcctt acgattcacc cggtaagcc tttgtggttt 120
 ttgagaagcc anctgggggtc cctgctgttg gaaagtcttc caacacattg actttcgttg 180
 ttaangaggt tgaccaagc acaggtgaag cagaagatga tggagtanaa gatgagtacc 240
 agctagagga tcttgagggt gtagctggag attacatggt gaaagtgggt gtctccaatt 300
 tcaggaatgc gtgggaaagc atggatgaag aagatgagcg ttagacgaa tatggccttg 360
 gccaaagaga gagtttggga gaagctgtaa aggctgtcat ggatcttcct ggcatgcaaa 420
 ccttttaang ggaacgggna acaattccgc ccaatgcaag gtccacacac gtgtcnattg 480
 tcaaggtgtg tacatangca acgtgaaagt gttat 515

<210> 1560
 <211> 513
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-089-Q1-E1-B6

<400> 1560
 ccttctacgc cgnccagtag cggtaaaaaa tcccgggnc gaccacgcg tccncgatta 60
 tgttcggata ctaccagtc cagctcccta tgtagataa ggacgggttca ggagggattg 120
 tcgcactttc tcaatctcca tttgctggaa gagttccatc aaactcagct actgcaaaag 180
 gcgaaggcaa acaacctgtt gcagaagaag gttcatccga ggatgcatca gaacgaccaa 240
 cgggagacaa cagcaacctc aataccgctt tctctttcga cttttctgcc ataaaacctg 300
 gaatggcagc agatgtgaan tttggaggat cgggggcagc tcccaactta ccgtgggtct 360
 caaccactgg gttcaaggcc cacacggacg gacaatcca ggtgtcacat accgggttaa 420
 acncaaacca nntttaaaan cctnngcctt ttccaanggg ccncaaatt tcaccggaag 480
 gattttttac ggcaccaagc cnaaggatta ctt 515

<210> 1561
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-089-Q1-E1-B9

<400> 1561

ctacatatat atanacgcac atacgtacac agttcgaagg ttttagctgc gagtatgagg 60
 aaggaactgt gtagaaactt tcagcgtggc agttgtaggt atggggaaaa ctgtagattt 120
 cttcatccac aacaagctaa gccaaataat ccctttggct ttggtacnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnntagt tcgaaccctt ttggatttgg tgtacaaagt 240
 ggtggttcca gcagaccgaa tcagttccaa gaatacttgg tcacgaacgg cttctacacc 300
 tactggtggt ggtgctgctg cttctacaca gcagactggg taaacagacg cagccggcag 360
 atcataaatg cacagatcct gctgccgtgt aagcgggtaa tgcaaagacn nattttaaga 420
 atganagacc catttgga 438

<210> 1562

<211> 502

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-089-Q1-E1-C1

<400> 1562

ccggnccaga attcccggaa ncgaccacg cctccgatta caaataagct cctatcttct 60
 ttctttcttt tagagatctt gtaatctcct cttagttaat cttctattgt aaaactaaga 120
 tcaaaagtct aaatggagat taacggggca cacaagagca acggaggagg agtggacgct 180
 atgttatgcg gcggagacat caagacaaag aacatggtga tcaacgcgga ggatcctctc 240
 aactggggag ctgcagcgga gcaaataaaa ggtagccatt tggatgaagt gaagagaatg 300
 gttgctgagt ttaggaagcc agttgtgaat cttggtggtg agactctgac cattggacaa 360
 gtggctgcga tctcaactat tgggtaacag tgtaaagtg gagcctatcn gggnacagct 420
 aaanccggtg tgaatgctan tagtgattgg gttatggaga gtatgaacaa aggcactgat 480
 agttatggtg ttactactgg gt 502

<210> 1563

<211> 514

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-089-Q1-E1-C3

<400> 1563

acgttacgcc gcctttancg gccaaaattc ncggaacgac ccacgcgtcc gcgcgtccat 60
 ttttttttct caattcgggt tcaaaaattc gttagataga gaagaatcta aaagtctctc 120
 tcggtcatcg gaatatcttc ttctcaggaa ttcgacgaga ctattcgaaa tcggaaatcg 180
 cgctttgaat ctgaaactca gaatttagag gacgcttact ccaaagaatc taggggtgta 240
 actttctaag aaaaggagtt tgttaaaaca atgaagtata aagatgagaa gtacgagaaa 300
 gctgagaagg gttcaaggat tttgcccaag acagttttac tgattcttct ttgtggactt 360
 tcgttctatc ttggagggtt gtattgtggg aagaacataa ttgaagttag tgatgttgca 420
 aaagctgnat cctcctncct taaatgttga tgactcnctt caagtcaa atcngttctttc 480
 tcggaatgta ncagtgacta ccaagattac actc 514

<210> 1564
 <211> 485
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-089-Q1-E1-C4

<400> 1564

tttaccggcc aaaaattccc ggaatcgacc cagcgtccg cttgttcgtn atctctcttc 60
 ctccgggaaa aagatgtcgg ccggtaacgg gaaatgtac taacggtgac ggaggggtta 120
 gtttccctaa aggaccggtg atgccgaaga taacgaccgg agcagcaaag agaggtagcg 180
 gagtctgcc aagacgatagt ggtccgacgg tgaatgccac aaccatcgat gagcttcatt 240
 cgttacagaa gaaacgttct gctcctacca caccgatcaa ccaaaacgcc gccgctgctt 300
 ttgccgccgt ctccgaggag gagcgtcaga agattcagct tcaatctatc agtgcacgt 360
 tagcatcggt aacgagagag tcaggaccaa aggtggtgan aagaaattcg gcngagaaaa 420
 aaaaacgaan ggttaaanta anccnggggt tacnctcaan gggcaaaaat cattccaanc 480
 ttttt 485

atctcaagga aaagagatcc taagtcttca ggtgcaattg ctg

523

<210> 1567
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-089-Q1-E1-A6
 <400> 1567

acgcgtccna aaaaaaaga gaaactcgaa aacgagaaaa atggcgagct ccgatgctct 60
 cttgccaatc tccgccagag aagaagaacc attatgtcct tacacgagat taccaatggc 120
 cgacccgaat caagaaaccc atggcccccg gagaagaaga ccctttaaaag gtctcctcgc 180
 cgtctcattt ggtctcttgt tcatcgctt ttacgtcgct ctcatcgcca cacacgacgg 240
 atctagatcc aacgacgaag ggatcgatga aacagagacg ataacgtcac gtgcacgtct 300
 tgctggtgtg tccgagaaac gtaacgatgg gttatggaaa ctttccgggtg atcggaacac 360
 gccggcggtt tgaatgggac aatantaagt tgnctggga aacnancggg gtttcatttt 420
 cagcctgagc aaaattggnt gaacgatcct aacggtccat tgttctacaa ggg 473

<210> 1568
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-087-Q1-E1-H8
 <400> 1568

acgcgtccgg tttttttttt ttgtttcctt ctttgatctt tctttcagaa gaaaagattg 60
 atttaaattt gagaaaccaa gcgactgttt gtttactttc tttattatta cagatttaca 120
 ggtacagaca aagttgtatg taagtgtgat tagaacagtg gatgctctta tcacgggtcc 180
 acttgctctc taaaaagaat attgaagctc ataattacat ctttagagac taaaacaatc 240
 ttaatcattc accttcacca agtacttgtg tccagaagaa aaagaaggaa aaaaagaaca 300
 caccattcaa gaaagagaga agcttcttgt gataagaaat ttcacaagat tgggggttta 360
 acattccaag ggagangact ttgtcctgtc ccctattcat cttcaagacc cttatgagtt 420

tcgggtcctg ag

432

<210> 1569
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-087-Q1-E1-H9

<400> 1569

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ccgaagctct tcttgctgag tacgggaaat cgattcaggg ttgacattt gttattcaag 180
gttttgggaa tgttgaaca tgggctgcga agctgatcca cgagaaaggc ggtaaagtgg 240
ttgcagtaag cgacattact ggtgcaatca ggaaccctga aggtatcgac atcaacgctc 300
tcataaaaca caaggacgca actgggaagt ctcaatgatt tcaatggtgg agacgctatg 360
aattcagatg aaattgctca ttcatgagtg tgatgttctc aatccatgcc gcctccttgg 420
tgggtgtcct tgaacaangg aaaatgctgg gagaanttga aggcaaaa 468

<210> 1570
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-088-Q1-E1-A10

<400> 1570

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gagtgtgag cacggaggag cagccttact ctatcaacac cttctcccag agccagagcc 180
tggccctcta ccgagacgcc tcagctggct acagcttcgc agcagaagtt gggtcggagc 240
agctggtggg gctgcctggg cgtgtgttcc tgaggagaat gcctgagtgg accccagacg 300
ttcggttttt caggaaggag gaggaccctc gcattggata cgcccgcagg taccaaggtt 360
cgaagccacc ctgcctcc cactcttcca anggaacgct cgggaaactg cttngcgttg 420

tcataatttat ggtagataat gt

442

<210> 1573
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-088-Q1-E1-A7
 <400> 1573

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 attctcagaa aaattagcaa gtctttgtct tttgctgctg gttgcatagc cccattgaa 180
 gcttttttcc tctcaatctt aatgttctca agagggcttc tgcagcaagc gaaatgggac 240
 aaagaaatag gaatgttgat ttagaaatgg agcaagcagc aatctcaagc ttctctccaa 300
 gcagagcctt gcctcctttt angcagcttt ccgcaacaac cgggataata ataatatgcc 360
 tgctatgggt gcacacgttc cnaatttaga acctcattct cttcaagatc tttctctaac 420
 ctggggagt 429

<210> 1574
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-088-Q1-E1-A8
 <400> 1574

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 gagaaagttg atttgaanag gatgtttgtt actgatgatg atttagctct tcttgctgac 180
 tcttttcttg gggttaaaga gcttatcttg gtttggttg aagggttttg tactaagtgg 240
 tatctctatt gttgccaaca agtgcagaaa gctgaaagtg cttgatttga ttgagtctga 300
 agtcacggat gatgaaagtg gattggatct cttgtntccc tgaagatgta actttgtttg 360
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<210> 1575
 <211> 490
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-088-Q1-E1-B1

<400> 1575

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 ggaanaagca naggcataatg aagctgagga agcacaaggg attgaagcta gggaagcaaa 120
 acagattgaa gctggggaaa cttcaagatc atctangaaa ttgattactt ttgagccaaa 180
 gttgggttata aacaaaggaa tatcggttct tggattcgtt ctgcggttat ttgctgtttt 240
 tggaactata ggaagcgcgc ttgccatggg aacaacacat gaatctgttg tctctttgag 300
 tcagctcgta cttctgaaag ttaaatacag cgacttacca acgctcatgt aaaatattca 360
 gtgatcagta tatcgatgaa tcatgaattt gattgtgtat atataataat actgctctgt 420
 tttataagtt tttcgtgggt gcaaacgcca tttctggtgg gatatttggg tctttctcca 480
 acctgtgagt 490

<210> 1576
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB22-088-Q1-E1-B10

<400> 1576

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 cttataaacac gtcttgattt atctttaaga accaaacaaa aaaccaaacc ctagaagaga 120
 aaatgggaga tcaaggagta caacaaatgc aacagcctat tggtgtgtat ccaaacgctt 180
 acaataaaca gtatccagac cttctacaa aaccttcttc ttctctggc tcaagcggaa 240
 actttgggac ggtcttcata gtcttagccg tgatctttgt cttgtcggct cttgcttgtg 300
 tctttggaag gctatgtaac cgtgaaagcc gcgcggctaa gcagcaacat agcaagcatc 360
 cgaagcatga gaaagcttct tccaagaaga gccgttgaga atcggccttg gagcgt 416

1. The first group of people who are not allowed to enter the country are those who are on the "no-fly" list. This list is maintained by the Federal Bureau of Investigation (FBI) and the Department of Homeland Security. It includes individuals who are suspected of being involved in terrorism or other criminal activities.

<400>	1577
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<210>	1578
<211>	413
<212>	DNA
<213>	Arabidopsis thaliana

<400>	1578
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<210>	1579
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<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-088-Q1-E1-B2

<400> 1579

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ctctgatcgc cagtgattta ngcttctgca acgaagagat ggcttttagtc ggagggtgttg 120
gcgatgtccc tgctaatacag aacagtggtg aggttgagag cctcgctcgt ttcgctgtcg 180
atgaacacaa caagaaagag aatgcacttc ttgagtttgc nagagttgtg aaggcgaaag 240
aacaagttgt agccggaaca ctgcatcacc tgactctgga gattctcgag gcaggacaga 300
agaagcttta cgaagccaaa gtgtgggtca agccgtgggt tgaactttaa aagagttaca 360
aggagttcaa agcctgccag tgatgccct gctatcaact tcctcccgat cttggctgca 420
aagcaangtg aacatgaatc tggatgggan gggaaattcc ccggagatga ttcaagaagt 480
gaaancatgt ttgctgaacc angctg 506
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<210> 1580
<211> 519
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-087-Q1-E1-G9

<400> 1580

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ttgttatcga taatttctct ggattttctt tctggggtga atttttgcgc agagatgggt 180
tcggcgaaca acgagtacga gtttctgagt gagattgggc tgacttctca caacttggga 240
tcttacgttg ctggcaaata gcaagccaac ggacctcttg tttcaactct caatcctgct 300
aacaatcagc caattgctca agttgtggaa gcttctctag aggattacga gcaaggtttg 360
aaagcttgcg aggaagcagc taaaatatgg atgcaagtta cggctcctaa gagaagggtga 420
taacctcaag acaagattgg gggatgcact aagattcaaa ccttgactaa ccttgggccc 480
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ccaatgtccc tggaatccta ttggctctca ttggctctgt caatgcatta aggcaacggt 420
 ttgagaagag gtttagcatt cttcacattt cgaatatgat acttgctatc ggca 474

<210> 1583
 <211> 457
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-087-Q1-E1-F5
 <400> 1583

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 aattccccga tcgccgagct ctctccgttt ctggaaaatt caatctcact cacgcgcgtc 180
 ttcacgatct aatcgaacgc gccgcttcac gccttgcttc cgacgctgga atcaaaccgc 240
 gcgatgtcgt tgctctcacc ttccctaaca ccgtcgagtt tgttataatg ttttttagcgg 300
 tgataagagc tagagccacg gcggcgccgt tgaacgcagc gtacacggcg gaggaatttg 360
 agttttacct ctccgattca gattcaaagc tattgttaac ctctaaagaa ggaaacgcac 420
 cgggtcaaga agcagcttca aagctgaaaa tctctca 457

<210> 1584
 <211> 457
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-087-Q1-E1-F6
 <400> 1584

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 ccagagatga tctgaaacca ggcgatcaca tggattcntg gcgtaacgct tatatctact 180
 ctcatcacgg agtctacgta ggagatgaga aagtcattca tttcactcgt ggaggtggtc 240
 tagaattcgg aacaggaaca gttttggaca agatcatcga tatttcaata ccaaatacatg 300
 gaanaagaga caaaaagtgt attgattgtg gagatcantc caatctcggg ggtgtaatct 360

cntcttgtct tgattgtttt ctgcgcngag ggaaatctag atcncttcga atacagtggc 420
ctctccgtnt agcnttctag ccaagacgag ggtggna 457

<210> 1585
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-087-Q1-E1-F7

<400> 1585

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ctgtagctgc tcaaaagaaa gtctaagcta aattagaacc aaagggcact cctgaggatg 120
ctgaaaacct aaaaaattaa ggcaatgagg aatttaagaa aggaaactac gcagctgcta 180
ttaaacta ttccgatgca ttggatattc aaagaagtga agctatcctc actaacagag 240
ctgccgctta tatcagctta aaaaaatata aagaagcatt attcgactgt gagcaagcta 300
ttggtctcaa ccgatagttc ctgaaatctt attaaagagc ctataaatgt tacatgtagt 360
tgggtgactt gcctaaggcc aaggaagtct ctgaagttgc taaagacctt ggagatgctg 420
aagct 425

<210> 1586
<211> 529
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-087-Q1-E1-F9

<400> 1586

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atcatcccaa ttcaagcaaa gatccgagaa atcttcatgc ctgcactaag ttccacgatg 120
accgaaggca aaatcgtctc ttgggttaaa tcagaaggcg ataaactcaa caaaggagag 180
agtgttgttg ttgttgaatc tgataaagct gatatggatg ttgagacttt ctatgatggt 240
tatctagctg caatcatggt tgaagaagggt ggtgttgctc ctgttggttc tgctattgct 300
ttgttagctg aaactgaaga tgagattgct gatgctaaag ctaaagcttc tgggtggtggt 360
ggtggtggtg attctaaggc tcctccggct tctcctccca cggctgcagt ttgaaagcac 420

664139-4-666666

ctgtgaagtg ttgaagaaag naagggttgc agcttgctcc cgggttgtcc aattaanggc 480
ggttgcccg cgttctgccg gtgcaatccc gggcttctga aagggaagg 529

<210> 1587
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-087-Q1-E1-G10

<400> 1587

acgcgtccgc ttagatcgat ttctaaagnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnacccatgg ctaatcgta tgatccaaat 120
cctttcgctg aggaagaaga agtcaatcct ttcgctaata ctagaggagt tccacctgcy 180
tcgaattcga gactttcgcc tttgcctcca gagcctgttg gtttcgatta tggtcgaacc 240
gtagacattc ctcttgacag agctggtaca caggatttga agaagaaaga gaaggaaactc 300
caagccaaag aagctgagct aaaacgacga gagcaggacc tcaaacggaa agaagatgct 360
gctgcacgag ctgggaatcg ttatttgaag tgaaaaactg gncgcctttc ttccacttat 420
ccaccatgga catcgcaaac gaaaattccg gttcatc 457

<210> 1588
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-087-Q1-E1-G12

<400> 1588

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ttcggaagat gaggaagata cactgaagca aaagagcaag tcatggcggc gacatcttcc 120
tctgcttttc tccttaatcc gttgacttct cgccaccgtc ctttcaaata ctcgccagag 180
ctctcttctc tctccttata ctctcgaaag gctgctgctt tcgatgtttc ctcagctgct 240
ttcacgctca agagacagag ccggagtgat gttgtgtgca aggctgtatc tatcaagcca 300
gaagctggtg ttgaagggtc caatatcgcc gataacgccg ctcagcttat tgggaaaact 360

ccgatggtgt acttgaacaa tgtagtcaag gggctgtgtt gcaagtgttg ctgctaagct 420
 tgagatnatg gaaccatggt gcagtgtcaa ggataagatt gggtagagta tgattactgg 480
 atgctgaaga gaaaaggact tataa 505

<210> 1589
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-087-Q1-E1-G2
 <400> 1589

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 aaattagggc aaaattagnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnncaa ggaaaattta gggttttcga tgaaggaacc 180
 tttgcagaag aagaagggtg ttgttcgtca cttgccgcct tctctttcac agtccgatct 240
 cttatctcaa attgatcctc gtttcgctga tcgttacaat tgggtttcgt ttcgtcctgg 300
 gaagtcagc tataaaaatc agaagtattc acgggcctat gtaagtttca aggcaccaag 360
 aagatgttta tgaagttcgc tgcatttttc aacggggcat gtgtttgtta atgaaaangg 420
 tgctcagttt aangctatag ttgaatatgc acccttcctc agcgtgttcc cga 473

<210> 1590
 <211> 477
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-087-Q1-E1-G3
 <400> 1590

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 aacaaacccg tgacgccatt aacgaaggtc gagcttcctt gacaccacac aatgcattct 120
 cctcgtaagc tatttcacgc gcggtcacat ctcgccacgc gccgatcaac ggntcttgtc 180
 gtattaactt ccctagctat tggaatcgcc ggtttcacat ttggactcgc cgtaattctt 240
 ataccgggtc tccgattaac cgggtcgtat tgcttgacga acactcctcc gaagacggtg 300

cgagtcgttt gggacgtcgc cggaaatagt aatggcggtg ttagtggcga aaagaagagg 360
cataagggtta tgggattcgt tggatttcaa accggatttg gatctgctgg ccggagacga 420
tcacttaaga aagacatgga tgccgtcaga ttcaagaagg tcttcgacgt ttggaaa 477

<210> 1591
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-087-Q1-E1-G4

<400> 1591

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cctcggctac tcttttctct tcttgccctc cgtctccgcc gctgattcag ctgccgccga 120
caaaggaata tggaagaaaa agatgtgtat acgcaagatg gaactgttga tattcacaaa 180
aatcctgcaa acaaggagaa aaccggaaat tggaaagctt gccgcttcat tctcggaaat 240
gagtgcgttg aaagattggc ctactatggc atgggcacta accttgtgaa ttatcttgag 300
agccgtctga atcaaggcaa tgctacggct gcaaataacg tcacgaaatt ggtctggaac 360
atggtatata actcctttga attgggagcc tttatagctg atgcttaact tggacgatat 420
tgggaccnat tgcaactttt gttttcaatc tatgtctccg gtatgactcc tttgacaatt 480
atca 484

<210> 1592
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-087-Q1-E1-G6

<400> 1592

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gggtcgaatc ttgaaccgta ccgtgttaat gactcttcta gtcgtaacaa tggccggaac 180
agcattctcc ggtagcttca acgaagagtt tgacttaact tggggtgaac acagaggcaa 240

gcggcgaccg gagcataaga acgcatacgc aacgatgatg tacatgggga cgccaagaga 300
ctacgagttc tacgttgcca cacgtgtttt gatcagatcg ttgagaagtc ttcacgtgga 360
agctgatctc gtcgtcatcg cttctctcga cgttcctctc cgatgggttc aaacccttgg 420
aagaagaaga tggagctaaa agtgggtgaag agtttgaaaa atgttgata atccatacaa 480
ggagacagac caaacttcaa caagtngatt caaagct 517

<210> 1595
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-087-Q1-E1-C9

<400> 1595
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tcttcttcgt tggtatcact tcttttagtag ctctcaacga gatttctcca aaatcagcga 120
tgcctttaac gagatcaaag agtcttccgg cgacggagaa cgggtggatcc gatcgggaga 180
cactccaatc aggaagatca gtggctggga ttctctataa atggactaat tacggaaaag 240
gatggagatc tagatgggttc ctctcccgcg acggaatctt atcgtattcc aagatccgaa 300
gaccggagaa tgtcaatctc ttatctcctt ccgatgatct gaggttaatc ggagatattt 360
ccaccgatcg tctcttgaga atgangagtt gtagtggccg tagtcctcgg aaacatcaca 420
anaacattgg gcattggtca cctcaa 446

<210> 1596
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-087-Q1-E1-D1

<400> 1596
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catgatatta aagagttttt ctctttctct ggtgaagttg aaagcatcga tatccaaagt 180

aatttcaaag atgacagttg ttggagatgt tgctccaatt ccaaggagga acagttctac 180
 ttgctctaata gatatcgctg ctccgttatt accagagtgt catggagatg aagttgctca 240
 tgatgaattc aatggagctt ctttttagtg cgcggttttt aacctcgcca cgactataat 300
 tgggtgctggt atcatggctt tgcttgctac aatgaagatt cttggacttg gacttggaat 360
 cacgatgatt gttgttatgg ctttcttgac tgatgcgtcg attgagttct tgcttagggt 420
 taagtaaagc tgggaagaat cgatcttacg gtggtttaat ggggtggt 467

<210> 1599
 <211> 457
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-087-Q1-E1-D5
 <400> 1599

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 ttatatcagc aagtgtcaag ctctctattg ctgagagaat accgccatac actacctgga 180
 tattttttgga cagaaatcaa agaattggctg aagatcagtc tgtggttggt cgaagacaaa 240
 tctactatga acaacatggt ggtgagacgc taatatgcag cgatagtgag gaagaaccag 300
 aacctgagga ggaaaaacgt gaattttccg aggggtgaaga ttccattata tggttaattg 360
 ggcaggagta tggcatgggt gaggaagtgc aggatgccct ttgccagttg ctaagcgtag 420
 atgtttctga tctctggaa agatacaatg agctcaa 457

<210> 1600
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-087-Q1-E1-D6
 <400> 1600

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 aagcttttaa gtagaattca taaaatcttg cttagcttct gggtttgatt tggttggtg 120

aaagttttga tttttttttt agtttgagag ctggatttgt gattctttct ctgggttggt 180
gaagtttttt acttgcttcg atcttataga tcagagcttc tagcagcgta aaaaatgcag 240
acgaggtata tggagaggac taatagtatg agagagaaga gaaaattgga ggaagatgat 300
aatcagcagc agcagcaaca gcctgagcgt aaaaggccag ctcttgcaag tgtaattgtg 360
gaagccttga agatggatag tttacagagg ctttgttctt ctttgggaacc gattcttcgc 420
cgagtggtaa gtgaagag 438

<210> 1601
<211> 469
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-087-Q1-E1-D8

<400> 1601
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tggttttaag ttaaaggtaa atttatcgaa agtaagtaga ttcctaattgg cagcttccaa 180
tcattcatct ggtaaacctg gaggagtttt aagtgatgct ttatgtaggg agctctggca 240
tgctgtgct ggacctcttg taaccctacc tcgtgaaggg gaacgagttt attatttccc 300
tgaaggccac atggagcagc tcgaggcatc aatgcaccaa ggtttggagc aacagatgcc 360
ttccttcaac ctcccatcta agatcctctg taaagttatc aacatccaag cgcagggcag 420
agcccagagac tgacgaagta tatgcgcaaa taaccttatt gccaagaac 469

<210> 1602
<211> 491
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-087-Q1-E1-D9

<400> 1602
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gtcatgttgg acactattgg atttgtacct aaaccccagc accgatgccc cattcccgtt 180
gattatgacc ctgataaggt gctcctacca agtgataaaa ccgcagatac aattgtcaga 240
aatttgacct acgtaacaga ggatgaatcc tctaagtctc agtttctctt atttggcgga 300
aacataagct ggtctgaacg aagaagaaag cttcaaactg aaacctgaga tgaaggatcat 360
tgccgattca tgccacgtgg tgggtgctgaa atgtcatctc cnggataaag aatacgttaa 420
agaagtgcac aattgttgtt gccacgggga atttccnatg ccataatgat gaaacccaac 480
caanccatca a 491

<210> 1603
<211> 478
<212> DNA
<213> Arabidopsis thaliana
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<400> 1603

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cgtccgacat cttatctgca gttagatttg ggacatgttg aaccatgtat ttctggctct 120
aaaaggcctc atgaccgagt gcctctgaaa gatatgaagg ctgactggca tgcattgcctt 180
gacaatcctg ttggattcaa gggttttgca gtgccaaaag aaaaacaaga agaagttgtg 240
aagttctcat acaacggaca acctgctgag atcaagcatg gtagtgttgt tattgcggca 300
attactaagt tgtacaaaca cgtcaaacc tagtgatcat atcggagcag cactcgttgc 360
aaaaaaagct tcagatcttg gcctgaaggt aaaaccatgg gttaagacaa gtcttgctcc 420
agggctctaaa agttgtcgag aaatatttgg atcgaagtgg gctccgagag tccttgac 478

<210> 1604
<211> 462
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-087-Q1-E1-E6
<400> 1604

cgcgntcagg aaaccggtca cagaattccc gggccgaccc acgcgtcnng gaagagagag 60

acggcgatgg cggctacagg atctggacgg tctcaattca tttccagttc cggcggtaac 120
cgaagcttct ccaattctcc actcatcgag aactctgatt ctaatcagat tattgtctct 180
gagaagaaga gctggaagaa tttctttgct tacttaggcc ctggttttct tgtttcaatc 240
gcatatattg atcctggaaa ctttgagact gatctgcaag ctggagcaca ctacaagtat 300
gaattacttt ggatcatatt ggtggcctca tgtgcggctt tggtgattca atctctggct 360
gctaactcttg gtgttgtcac aggaaaacat ttggctgagc aatgtagagc cgagtactcc 420
aaagttccaa actttatggt atgggtcggt gctgaaattg ca 462

<210> 1605
<211> 442
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-087-Q1-E1-E8
<400> 1605

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aagcaagagc ggcttcctcg gctttgtcaa atgtcccgag ccaaacccta attccattcc 120
tcgttgantc tcttatctcc gctgcaaatt tccccacgg ccttttcctc actcctctgt 180
atgatctttc ttcataaatt ccaacctttt cttcttcttc ggagttagaa acgtcgccgt 240
tttgaatttc ttccttaatc atcatctccg gtgactcaaa tgagaaaaag tcatcggagt 300
aatcataatt agggcaaaag aaggcttgag gttcagatga ttgatccaag aaacagctct 360
cgttccataa gagtgattct tgtgatgagc tccaaagaac ttggcagatg aatacatgga 420
agattgggaa tantccataa gt 442

<210> 1606
<211> 461
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB22-087-Q1-E1-F1
<400> 1606

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gagagaagaa gtgattcaag cttggtatat ggatgatagt gaagaggatc agagacttcc 120
 tcaccacaag gatcctaaag agtttgtatc gttggacaaa cttgcagagc tgggagtact 180
 tagctggaga cttgatgctg ataactatga aaccgatgag gatttgaaaa agatccgtga 240
 atctcgtggt tactcttaca tggacttttg tgaggtatgc ccggaagc ttccaaacta 300
 tgaagtgaag gtgaagagct ttttcgaaga acatttacac actgatgang agatccgtta 360
 ctgcgttgca agaactgggt accttgatgt taaaaattct tatgaancct tgggttaagg 420
 gtattnggta a 431

<210> 1609
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-086-Q1-E1-A8
 <400> 1609

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 agcaattaga aaggcttaac cataattaga gattcacaac caaagcaaaa tggcatcata 120
 caagctcttc cgcattgctt ttctagtgtg cctctcttcc tctatgatga tcaacacttg 180
 ctcagcctca cgcgccttc tccaacaaca acctcttctt caaatcccaa atctgcctat 240
 tccaacaatg ggactacctc cattgccatc gacgttgcca caaccgtctt taccaactct 300
 cccacaatg cccactgcaa tgtctccatt tccaatgcca tcagctttgc cacaacaaaa 360
 tcttcccacc attcccacgg caatgcctcc aatgccaact ttgccttcat tccaacaac 420
 aattccttct ccttcggacn aataatccaa ncaattcctt 460

<210> 1610
 <211> 481
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-086-Q1-E1-A9
 <400> 1610

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tacngccccc ggaaaatccc gaagtcgacc cacgcgtccg aaggaacaaa ggtgaggttt 60
cangacacag acagaacaaa caacgaagaa aattcaaaat cttatttcaa ttcaacgtat 120
actttcctta aattaggaat ttgggttttcg agaaaattga gatccgaata actatgggtga 180
gactcaagac gagtctctgg gttcttctcc ttgccctcgt ttcaattcag ttaaattggtt 240
cgtttggatc tgaatcaagt aaagtagctt atgtcacact tttgtatgga gatgagttct 300
tattaggagt tagggatttg ggtaaatcga ttcgtgacac tggatccact aaggatatgg 360
tcgctttggt ttctgatggg gtctcaaact actccaagaa gttactcaag gctgatggat 420
ggnaaagtag aagaagatta atttactggc aaatccaaat caaagttcan cccgaccaag 480
gtccgggggtg tttanaccaa acctt 505

<210> 1613
<211> 513
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-086-Q1-E1-B12
<400> 1613

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atcagtcata caaatcccga ccaacaacaa caaaacccta aaatcaagct tcgaaaatgg 120
gagagatgat gtacaagctc ttcgcttcag cgtcactact aaccctagga ttgtatcatc 180
tcactctgcac tttcttccat ctctttaaact ctcccacatc ctacgccgcg aaaccctttt 240
acccttttcc acgtctctcc tccgtcaccg gaaacaacca ccacaatcac aaccgcctcc 300
aaaatctacc actgttcac ctcatactct ctctattcgt cgctttcctt cacgaaaccc 360
taatctcctt ctactccgat tctctcgtca aaggaagtac tctgttcac cggattctca 420
tntcttcaat tccgccgcg tgttcttctt cttctcactc aatcgccatt ttanaatcnc 480
tcttcccgaa tttcaacctc ngttaatccc ctc 513

<210> 1614
<211> 471
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations

<223> Clone ID: LIB22-086-Q1-E1-B2

<400> 1614

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nnnnnnnnna agctttcggt ttgtgtttct gattttgatt cgattttgat gctcatcgaa 180
gagaaccctt gattttgttg ctgtagttca tagagatttt acacattttg tggaatttag 240
tggttttatg atgatgggta ggtagtttt tgtaatctgg ctctataatt gtctctgttt 300
gctgctactc tcgagcttgg gtgacgcgga tcaggccaac atagattgct taaggacctt 360
taaactctaa gtagaggatc caaatagata tttatcgact tgggtttttg gcaaacaaga 420
ctggctgggt aaaaccgcaa gttcaattgg tgtgaccttg ttggcatgat a 471
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<210> 1615

<211> 390

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-086-Q1-E1-B3

<400> 1615

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tgccacctcc aggtcctccg tcttgatgaa ttgcgacgct gcttcgcctc tgagatcaaa 120
gatttcagtt ccatactcgc cgagcatctc aaaatccgtc gtgaactgaa gattgtcagt 180
caccggttca gacgattcat tcttttgtca ttgtttttcg tcaactgccac tcagttcatg 240
gcattgctga ctaccatcag agctagtgtt ccctttaata tctacgaagt tggcgagctc 300
gcgttatgct ccacaagctt ggtgtcagga ctattcatat gcttgaaaag tgcaacacaa 360
atgactcaca aagctcaatc agtnacgagc 390
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<210> 1616

<211> 463

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-086-Q1-E1-B6

CCDS:1000000000

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ctcattgacg agaagatcct atgtatgcat ggtggattgt caccggaatt ggaaaacttg 120
gggcagattc gggagattca aaggcctaca gagattccag acaatgggtct tctttgtgat 180
ttactttggt ctgatcctga tcagaagaat gaagggtgga ctgatagcga tcgaggatc 240
tcctgcacgt ttggagccga tgtagtcgct gacttttttg ataagaatga tctcgatctc 300
atctgcagag gccatcaggt agtgggaagat gggatgagt ttttcgcaa acggagggtta 360
gtcacaatat tctcagctcc aaactatggg aggagagttt gacaatgccg gtgcattatt 420
gagccgtgga tnaatctctc gtttgctcct ttgagantct gaa 463

<210> 1617
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-086-Q1-E1-B9

<400> 1617
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cacaaaattt cctcaggact aataatctgc gatcgatcgt cgttatgata agtctctaaa 120
gaagattgat gattctggat tacattatca tgggaggagc ttgttcaagg aagagagatc 180
aacaagttga gatattttta acagaggtgt ctctggaaaa tatagcaaga gttcaagttc 240
gaaatgggtta gctacttcgc tctctaggtc tggctccgat gttaaaccga agaattggaga 300
atgcccgtcg cttatggagc tctgtgtccg caagatacag gaggacattg atagatatac 360
caagttctct gacctaccta gagatatcag tcagcagatt ttgatgaat tggnttantc 420
ccanaagtta actttaaaag tccccttgaa gcnattcngg aactgtngaa atccaaggat 480
cttaccttgg gggaataacc ctgggagttt aatg 514

<210> 1618
<211> 523
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> unsure at all n locations
<223> Clone ID: LIB22-086-Q1-E1-C3

<400> 1620

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cttggatcat cctcctaatt actcagtgat catgcataga ttccttgtaa agctatcttc 120
ttctttcttca ccattctcta atcaattgag aagcttgaag aaccagcgtc tgattctccc 180
tctattacct tcttcaaaac cttttacctc ctctctgtg tcaccacctc caagtccctt 240
gaacgcttct aatcgatttg ggtatcctta ttccgccgat ttgtttcgaa atttgtcacc 300
tttaaaccce aattcgagga ttttaggagt caatgggatt actagtagta agatgtatca 360
agcagtgaag cggtaagag aatcgattga agtacgaagt tccgaatgtc ngaactggac 420
cgggcggttt aacngncgnn aaacgaatgg aaaaaatggt ccaagggaaa an 472

<210> 1621
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-086-Q1-E1-A5

<400> 1621

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gtcccaattt cctctttggt tctttccttc tgggcttggt attgttggtt ctcgaaaaag 120
aagaagaagc gatggtattg ggattttagg gattattgcy gtttggtgta tatatatata 180
tagaagctga gggattttgt gttgtgaaga acatcgaatc ctgttttttt ccgtaagaaa 240
gttcttagat ttctccaagt gaaagaagat gtcacagct ggtgttgcyt taagtccggt 300
tcgtagcgag ccattgatta tgcctctggt tcgtgccaat tcttgcttg attcttatcc 360
tgacgacacc atcatgattt accttacact tcttgatng gtgataccaa tgcnaatgnc 420
tgnatcncaa ttcaatngaa ttcggttaan cttcgatca 460

<210> 1622
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-085-Q1-E2-G2

<400> 1622

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tcatggcggg cgctcatca cgggcgagtt tgagagcttc tcgtagccgt cggctgggga 120
aggagacgaa tcgatccgat ctattcaaaa aacctgcagt tccattcgca ttcgcgctaa 180
ttcttgctga tgcaatccta gtcgcactta ttatcgcta tgttcatac acgaagatcg 240
attgggatgc ttacatgtca cagtgggttt ctcgggggag agagagacta tgggaacttg 300
aaaggcgata cagggccatt ggtttatcca gcaggtttcc tctatgttta ctctgcagtg 360
cagaacttaa ctggagggga agtctancct gtcagattc tttttgggtg ttctctacat 420
tgtcaatctg gggatcgccc tgatnacc 448

<210> 1623
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-085-Q1-E2-G3

<400> 1623

ggtcgancac gcgtccgata ctcttctctc tctctcaatc tcaatggctc tgttttaaaa 60
nngggcaaatt agagagattt ctcttcaat aacaaaaaat cgccagcttt atctctctct 120
ttttcacatc ccatggctag atggtgacga cgattcacgc ataaactagg gttccccccac 180
aatcatctt acacgtatcc tctattcctt ccttcctttc tccgtcatca tcatttttcc 240
caccgacaac aatctctcgg agtttgggta ttattacttc tctcatcaac caattgtacc 300
actagatctc ccagattcct tcattatctc tatcaataat ggcgttgaag tctanttctg 360
ctgatggtaa aaccanaaag ctccgggttaa attctcattg ngttaattta agttggcntc 420
ntttanattt tgggaacaat ggca 444

<210> 1624
<211> 440
<212> DNA
<213> Arabidopsis thaliana

601130-10000000

<223> unsure at all n locations
<223> Clone ID: LIB22-085-Q1-E2-G4

<400> 1624

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tttttcgtan tctctttcaa aggcaaaciaa ttacacagc tatatatata tttttagggt 120
ttttgagtat ctgcgcgaggt ttacatana tttctccatt atggattcga tgatgaatca 180
gaagactggt ttggctgtga cggatgatgt ggtgttacct gttagctctg ttttanctat 240
aatgaaagag cttggaaagg aagtgattga gagttttgat cctctgatta ttactcaagc 300
atccacaatn aatcagtttc ctttgatgc ttcctctgtg gangcggat ttagccattt 360
ccaanacatc tgatttccaa gtgataaaat atgtggtgag ttccaagaat cctgangcct 420
ggcggcaccg gtttcggtgt 440

<210> 1625
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-085-Q1-E2-G7

<400> 1625

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aaacagatgg tgacttgaaa agaaaacagt ctgaggtagt ctccgaggaa caaaaccgtc 120
ctaacaagtc cccaaggagc ttgacaaac catcaccgag caataaaaag ggcaatgggtt 180
ttaagaaacc caagagcaag aaggtggact ggagcgtttt gaggccacca aaacctcaaa 240
ccaaataggg tttaaattag ctaactacag caatctatat gctattagtt acatcggttc 300
atatgttcta gtanatcgtt tggtgctctg tctgtatcgt cattcccgtg gtgttgcaac 360
ccgttgata aattatance aaaagttttg aanttgtttg ggttaaaatt gcncnngttg 420
tctaaaanaa aaaaaaaagg gc 442

<210> 1626
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-085-Q1-E2-H1

<400> 1626

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tgtaactgcc gtcgctaccg acactcgtgc cgttggagaa ttggcaggta tagccgttgg 120
agccacggtc atgctcaata ttctagtcgc agggccatcg actggtggat ctatgaatcc 180
tgtgagaact ctaggaccag ccgttgcac aggaaactat aggtcactat ggggtgtatct 240
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cgatagcgtg actgaccgcg ctcgtccggt taggagcttt cgtcgttaag tgagtgaag 360
acttgtttac aagtcntttg cnttgtataa atttactgta tgattatgta atgatatgaa 420
aaagctttgg aagcntgttg tnaagaataa aangggatgt tgactaataa ttccacnca 479
```

<210> 1627
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-085-Q1-E2-H12

<400> 1627

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agttgaagta tcaatcaggt tttggttaacc acttctcatc ggaagcaatc gccggagctt 120
taccgttaga tcagaacagt cctcttcttt gtccttacgg tctttacgcc gaacagatct 180
ccggtacttc ttctacttct cctcgcangc tcaatcaaag aagttggntg taccgggtta 240
aaccatcggg tacacatgaa gcggttcaag cctcgtgtac catgctcana agaagcttgt 300
gagtgaagtt tgatgcatca aatagtcggt acgaatccga ctcatccttc nggtggngac 360
ctnagcgatn gtctgatnt cgngngtttg attttcgnnt ggggtgggggt taacttacca 420
nttttggtgg gaagctngga aagctc 446
```

<210> 1628
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-085-Q1-E2-H8

<400> 1630

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tggattaagc cctcggggtt ttatcctcta taggcaagcc ttgcccacca ttttcatctt  180
cccattttct tacttatcca ggagaaaatc aaagatagct atatcttctt tggatctaaa  240
gagcttttct ttaatattct tgggtctcgct tataggcatt acaatcaatc aaaatctata  300
tcttgaaggt ctttacttaa cttcatcatc aatgggaagt gcagtgggta acatcatccc  360
tgcaatcacc ttctcatct caattctcgc ccggatacca agaaactgaa atctccga   418
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<210> 1631
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-085-Q1-E2-H9

<400> 1631

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gtgcttgaat tcttcatcaa gctcgtcaga aaaacaccaa aaggtttcaa atttatctga  120
aattcgtgaa accctaaaaa ggggttatgtc aaggtagaag agacagaaca aagatagata  180
tggttaaggaa gcagaagtac gggaaggtag tgttggtttc ttgcatcgcg cttctagcaa  240
ccggactcat tgccgacttt ctctgggcta cttctcatcg attctctctc gccgcaatct  300
ccgccggatt atctctacct tcttcaacta ccaccgtaat cgttcctggc caggagaaag  360
atacaaagaa gaagaangat agtgtgaagg aaaggaaact gtctaatacg tttcaaagat  420
ttgcctgctc cctgaantga aatgggaaa                                449
```

<210> 1632
 <211> 483
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations

664430"4E3EE2E60

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-086-Q1-E1-A3

<400> 1636

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agaaggaagt aatagatgtc gattgctccg agaagaaaga ttttgtgatt gattggtctt 120
ccgctatgga taaggaagac gaagttcccg agctcgagat tgtaataacc accaaaccta 180
ctcctccgcc accgccaacg tttttctccg acgatcaaac cgattctccg aaactcctaa 240
ccgatcgtga cctcgacgag cagctagagc gtaaaaaagc gatcctgaca ttaggtccgg 300
gcttaccgga caagggtgag aaaattcgac tcaaaatcgc tgatccgaag aggagaaaca 360
ncgtanagtt ttaaaaaggn ccaaaattgg ngggggcaaa aattncaaag gncttntctt 420
ccaanaaccc cagggttca 439

<210> 1637
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-085-Q1-E2-D8

<400> 1637

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aaataaataa aagatctaac tttgacggct ctcttaatct tactcactcc ggttttaagt 120
cggaatagac tgatgggagc ttgatgggta ttgtagatc agatgtggat ttaaagcctt 180
cgctgaacta acaagtctat ggaagaagca aagacccttg ttttactactg tatgttgtga 240
ggaatttgtc tgattttggg tgataaaggt gaagtctttg agtttgtaat tttgagataa 300
gattggatgg tgggaagaga ggatgcgatg gggaatgatg aagctcctcc tgggttctaag 360
aaaatgtttt ggcggtctgc ctcttgggtc gcttcacgga ctgcacaca agttcctgag 420
ggtgatgagc aaagcctgaa cattccgtgt n 451

<210> 1638
<211> 453

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-085-Q1-E2-D9
 <400> 1638

cggtagcggc caagaattca cgggncgacc cacgcgtccn actaaatcca attgaccgaa 60
 taaaatccag taaaccgata cataaaccaa aattggaaga aaacaatgcc tgtttaatag 120
 gtgttgaaac tttgctgaaa aaaaacgaag cgagcaccct ctaaaatgcc ttcgatttct 180
 ctggcgccat tgatttagtt ttctctctct gactacaaag tatccattcg ttcaaaccag 240
 tttcttccca ttttcgattt ctgtcaaat tcaccaacca actccaaaaa ctctgttatt 300
 gaataagttt cttgatctta aaacaaacga tctcaaagaa tggcagcaca cgatccta 360
 ccatttgctg atgaagagat caatcctttt gcgaatcata caagtgttcc tcctgcgaag 420
 caactcttat ctcaagccac ttccaacggg aaa 453

<210> 1639
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-085-Q1-E2-E10
 <400> 1639

acgcgtccgc ccacgcgtcc gccacgcgt ccgaaaaaaa gggtaggtg gatctctcat 60
 gaaatcgggtg gagctcccc atatcttttt taaatagctt tcttcttttg gcccttacc 120
 cagagataga ttcttatata ctactgagaa ttttcaattt ctgcaacttt tgtatctctt 180
 cctgatggag tcttcaagtc ccaccatag tcacattggt gaggttaatg ttggaaaatc 240
 tgatgaagag agaataattg tggcgagtaa agtctgtgga gaagcaccat gtgggttttc 300
 aagattctaa gaatgcttcc ggggatgctc acgaacgctc tgcttctatg cggaagcttt 360
 gtatcgcccg tcgtgctgtg tccagtgttc atgaattggt gaaattg 407

<210> 1640
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-085-Q1-E2-E11

<400> 1640

gtcanagaat tcacgggtcg acccacgcgt cnccccacgc gtccgggtctc tctctctcgg 60
 gtcaaaatta gggtttcggt tcactatcca gagtgtatac aaagggtggt gtggagcttt 120
 tatcagatca caggaataag atggagggtat ttggaaaatc tcccatgggt gttacatctg 180
 ccaatgttat ttacttgtct gcaattctgg gtcgcgattg cgatggacac aaatgtgatt 240
 ggaaatgtga gaatgaaaat gtttgtggga atatgtatcg ctgcaaacta actggactaa 300
 ctcatgtctg cgacaagaac tgtaaccagc ggattctcta tgataaccat agctctttgt 360
 gccgagccag tgggaggatt ttccctctct cgtccgtcga agaacaagcg gttaaagggt 420
 ttcggggagga aacttgacnc cg 442

<210> 1641
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-085-Q1-E2-E2

<400> 1641

acgttcaactn tgccaggccc cggccaaga ataaacgggt cgacccacgc gtccnccac 60
 ancgtccgtc nacttctca tctacctcg ggacatgtgg tcagagtcca agtcctttga 120
 gaaacgtcag aaggaacacg acganaatgt caagaaagtc atcatnaagg ctttaagggt 180
 gcggatgctt ccaaggacgg gcttgtctgc actgctcgta agccctggat cncgtgttga 240
 atgaggaacg ttgactaaa nagagcccgg catttcgang ttgacttggg gganttccgt 300
 aacatccttg anatcaaaa gganaagatg actgctatag tggagccnct tgttaacatg 360
 ggacagattt cccgtgctac cgtcccaatg aacctgtctc tcgctgttgt tgctgagctt 420
 gatgacctta ccgttngggg acttancaat ggatatggaa ttaanggaac t 471

<210> 1642
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana

<400> 1648

taactttccg ccgnacaggt anaaggtcac ngaattcccg ggnccgatcg ttggccncct 60

gtttccggtt tactcgacat cgttccgacg acttttgacc tggaatcgac gcagtgactt 120

caattcaact attgcacttg gtttggtggc aatggacaaa ggagcacctc ctagtatattt 180

tgtgaatgat gggtcattca tggaaagatt cagacagctt caacaggaga aagataaaga 240

caaggataag gttgtccaag ttgaggattc taagccggtg aagattatat caaatcccaa 300

acctgctgct aataaaattt ccattggatt aaagcccaat gatgccaga agaaagggtg 360

taagcttgct ttcagcttga agcaaaagtc taagcttctt gcacctcctg tgaagcttgg 420

tacagaagaa gatgaggatg atgangatgt taaacatgaa caangcttgg attcgt 476

<210> 1649

<211> 469

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-085-Q1-E2-D7

<400> 1649

cgcggnacgg tacaggtcan agaattcccg ggnccgacca cgcgtcnaa accctcctct 60

cttcatcgac atctctcttt cactgcttca atggcgcttt ttgagcggtt tgacgacatg 120

tgtgacctga gattgaaacc taagattctc cgaaaccttc tctccgaata tgttcccaac 180

gagaagcagc ctctcaccaa ctttctatca ctctccaagg ttgtatcaac catctccaca 240

cacaagctct tatctgagtc tcttcagct tcaattgacc agaagcttca tgctaaatcg 300

aatcagccg ttgatgattg ggttgctaga ttatcagctt tgatttcttc tgatatgccg 360

gataaaagct ggggtgggtat ttgtttgatt ggagtaacat gtcaagaatg tagctcaa 420

tgtttcctta aagtnnaanc ccggttnggt ttaacagtta ttatcacat 469

<210> 1650

<211> 462

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-085-Q1-E2-F9

<400> 1650

cnccacgcgt ctcggtaccg gtcacnaatt cacgggncga cccacgcgtc cnccttcttct 60

ttaacgttta tactttatat acatcgaaag catttcttct ttgtccgttc acatcatttt 120

cgaatttggtg ttttccctan aaattgtctt ttttttttct tttcttatag agaaaatcaa 180

gaaaatgtaa aaaagattga tatatttatt tattctcgtt caaatgaatc actctttatt 240

tgactcggtta gtccatgtct cgtctcactc tcttaatctc tatttctctc canatctctc 300

aaaaagtgtg gttttgtgac anaaactgtt ttttaaagtt agctataaga agatgaggaa 360

gatcataggg tttagaatcg ggagacgagt ctcaagatgg atctttcgca aaanccggat 420

tcaacgttca ngatacnacc gggatacact cgatccaagc na 462

<210> 1651

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-085-Q1-E2-G1

<400> 1651

tttgtgagtg aagagattta gagtaatcat gggtttaact cgaaatttca ttttatggat 60

tcttttgtca tctctcttca cggcgattca actaacgtcg tctcaacgca aactccacc 120

accacgtctt aaagacgccg atctctgcaa cggcgtgttc gtttcttaca cttacttaac 180

cggtagcaag attaaaccaa acgacacgaa gaaccagccg taccggttcg aatcagagat 240

cacggctcta aacaacggcc gcgacgagct taaatcgtgg caagtctttg ttaaattcgc 300

ccaccgcgag attcttgttt cagcgaccaa cgctgttctc tctgacggtt ctaacctccc 360

ggctaacgtt gagaacggga aaatcctcgc ccgggggtttc aancggg 407

<210> 1652

<211> 428

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-084-Q1-E1-C7

<400> 1652

tacgccgccg gtaccncgtc aaaaattccc ggggtccgac ccacgcgtcc gancatcatc 60
aaggatcgaa aacattannt agctagttaa gaggagagag anagagatgg ngatgaacat 120
tangtttcca gttatagact tgtctaagct caatggtgaa cagagagacc anaccatggc 180
tttgatcgac gatgcttgtc anaactgggg cttcttcgan ctggtgaacc atggactacc 240
atatgatcta atgggcaaca ttgangagga tgacaaanga acactacacg anacatatgg 300
aacaaaagtt canataaatg cttcgttcca aaggtttaga taccctcgag accgaagttg 360
aagatgtcga ttgggaaatc actttctacc tccatcatct cnetcaatct aacctatacg 420
acatccctga tatgtcaaat gaataccgat tgggcaattg aaggattttg g 471

<210> 1655
<211> 415
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-084-Q1-E1-E11
<400> 1655

ggagtctcta tcgtcgtcgt atccaaagct cttcaatgga gaccgatctc aagtcaacct 60
ttctcaacgt ttattctggt ctcaagtctg accttcttca tgacccttcc ttcgaattca 120
ccaatgaatc tcgtctctgg gttgatcgga tgctggacta caatgtacgt gganggaaac 180
tcaatcgggg tctctctggt gttgacagtt tcaaactttt gaagcaaggc aatgatttga 240
ctgagcaaga ggttttcctc tcttgtgctc tcggttggtg cattgaatgg gntccaagct 300
tatttccttg tgcttgagng atattatggg ataactctgt cactcaccgt ggggtcaaacc 360
ttgctgggtc agaagttcct caggntggta anggttgcca tcaacgattg ggatt 415

<210> 1656
<211> 433
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB22-084-Q1-E1-E7
<400> 1656

acgcgtccgc tcattttctg ttcttctgat tgatagatcg ctcggaactt ggaaagcagc 60

gtaatcggta gggagtgatt tgagttttgg tgaggatgtc tatggttgat gagcctttat 120
 acccgattgc tgtgcttatac gacgagctaa aaaacgatga tattcagcgt agattgaact 180
 ctattaaacg gcttttctatc attgctcgtg ctcttggaga ggagaggaca agaaaagagt 240
 tgattccatt tcttagtgag aacaatgacg atgacgatga ggtgcttttg gctatggcgg 300
 aagagttggg gggttttatt ctgtatgtag gaggggttga agtatgcata tgttctgctt 360
 ccacctttgg agactctatc cactgttgag gaaacttgcc gtgagggaga aagctgtgga 420
 ttcactttgt aga 433

<210> 1657
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-084-Q1-E1-F11
 <400> 1657

caacaccatc caaccaccac ctccagagca aagaannnnn nnnnnnnnnn nnnnnnnnnn 60
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnattc tgttggtttt 120
 gcaatggttt ggagggttcgt taatggcgtc atagactcgg gagattaagg gagaacaagt 180
 actctgcata ttctggattt ctactattt ctcttctct agaggaatag gcgagaaatt 240
 gagattaata aaaaggggtg ttttttggtt ctcttcggtt tgtataaagc ctgccgcttc 300
 ttaaggttct ttggaaattc tcaagtgatg gaggaaaatc tggtttactt cgcatgagct 360
 attaacgaaa tttcatcatg attgtctcac tgtcacactt gtgggagtat 410

<210> 1658
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-084-Q1-E1-F12
 <400> 1658

acgcgtccna agaggccaag gtcatagccca agaaaccggg agtggtttca gtttttcttg 60
 acccacactt ccagcttcat acaactcatt catgggactt tctcaagtac caaacatcag 120

taaaggtcga ttccggtcca ccttcacag cctcagatgg atcatatgat agcattgtcg 180
gaattcttga cacanggata tggccagagt cagagagttt caatgacaaa gacatggggtc 240
caattccgtc tcggttgaaa ggtacatgca tggaagcaaa ggacttcaag tcttccaact 300
gtaacaagaa agatcattgg agcaagatac tacaaaaatc ctgatgatga ttcagaatac 360
tataccacaa nggatgtcat cggtcacggg tctcatgtgt cctccaacat agctggatct 420
gccgttgg 428

<210> 1659
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-084-Q1-E1-F6

<400> 1659

aaacagaagc agtggcttct cattgatact cttaggcagt tggagacaga aaaggtagat 60
cttgagaaca cagttgtaga tgaaagtcaa agacaggctg ataattgatg ttccggtgaa 120
ttaagacacg agaagttcag tgaaggcact gccactgagt ctgatgatga taatgaacga 180
ggtgatgccg ccgaggtgga atttgatgag gaagaaaata ctttttttga tacacgtgat 240
tttctttctt caagttcttt caaggagtag tgggtctggt ttctgtacat cancattttc 300
gtccgatgaa gatngctttg aagtctgaag atganattga tccttccatc aagtentatt 360
ggatgcaatt atcctcngcg tcaaagagga ggnaanaatt tagctggatc cgggttgana 420
a 421

<210> 1660
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-084-Q1-E1-F8

<400> 1660

aacgttaaga atcattgctt ttctcgagaa aataatattt ttaattgaat cgagaaactc 60
ttcaaagttg aattaagaag aatattacct caattgatg ttgagagaca cgcatagaga 120

6644330-43333333

gattgattat tgcacgaat caagcttggt ttgttagtaa tggcgggaat agcttttagtt 180
ttagatctac tgaagaaatc tcaatcnaag aacactctcc actcatcttc cttctattcc 240
gcctccgccg ccgctgtttc tgctgccgcc tctgctcctt ttgcgtctag gtttctcttc 300
ggttcttttg agcctangag ttgcgtantg tgatgctgct gctgcaanag anatggattn 360
cccttgggtg gctatncngg nagaactgtc ngcggatggt tttgcagcgt tcaacccctt 420
gncgttagtt 430

<210> 1661
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-084-Q1-E1-F9

<400> 1661

agttcatgtc ttgttcttc actgccaaagt tcaagtttct ttatggcaaa gatgttttga 60
aaaacaggca taagacattg aggaacttgt ttaaactctgt gaataatctt ttgatagaag 120
atggttttag ttgggatgat actagacaga tggttgttgc tgataactgc gtttgggatg 180
agtatcttaa nattcatcct gattcgagat cttttcggat aaagtctata ccttgttaca 240
aagatctgtg cttggtttac tcaagatgga atgtctgagc acaaagcctg angagagtnt 300
taggtgangg aagaatccaa gacactgatt caggaagatg atgggtacaa cagcaatatg 360
tgaatcgtca acagtcangt ctaact 386

<210> 1662
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-084-Q1-E1-G10

<400> 1662

cttttacgcc gcccggtacc ggtctnaaaa ttcccggggt cgacccacgc gtcnaccac 60
gcgtccgcaa acatggattc gatatagtaa tcagtgatgt tcatatgcct gacatggacg 120
gtttcaagct tcttgagcat gttggtctag agatggactt acctgttatc atgatgtctg 180

cggatgattc aaagagtgtg gttctaaagg gagtaacgca cgggtgcggtt gattacctta 240
tcaagcctgt acgtatggag gcaacttaaga acatatggca gcatgtagtt aggaagagga 300
gaagtgaatg gagtgtaccg gaacattctg ggagcattga ggagactggg cgaagagaca 360
gcagcagcaa catanaggaa gtggtggtgg tgcaactgtt tctggtggaa angatgccgt 420
ggatgataac tcctcctcgg ttaacgaagg taacaattgg aggagcactt ca 472

<210> 1663
<211> 426
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-084-Q1-E1-G8
<400> 1663

tcctttcgtg aattttctct ctctaggggtt tcgatttcaa ttttttccac tgaacccgcg 60
atttgaactg aaccttcacc gtccatcacc atctccggtg gatttcgtag gcatctacgg 120
agcttacttg tttcaaagaa ccttggatgt tgtttccgat tctccgaaag ctctgtgttc 180
tttagtttga tacctcagat attggatgcc cttgatataa cttaggtagc ttcttacaga 240
ggaaggatat gtnagggttaa nttctgttca tttgcccttg gatggttgct acgatgnaac 300
ttaantgctt caccccaacn cganaganga tgacganccg tatgtgagac atctanaagg 360
acgattcttc ncgggatgan cgggatagag tctgctgttg aaatcgctag gacggaaacg 420
tgaaac 426

<210> 1664
<211> 490
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-084-Q1-E1-H8
<400> 1664

ctgtttacgc ctgccangta ccggtccaag aattcccggg tccgaccac gcgtccgnta 60
aaatctctct ctgccaatct catcttcaac ctctctctaa ctctcgtttt cgattctaca 120
atggctgaca agaatattag gatcggaatc aacggattcg gaangaattg gtcgtttggt 180

tgctagagtt gttctccaga gggacnatgt tgagctcgtc gctgtcaang accccttcat 240
 cactactgag tnnatgacct acatgttcaa gtacgacagt gttcacggtc aatggaaaca 300
 caatgaactc aagatcaang atgagaagga cccttctctt cggngaagaa gncagtcact 360
 gttttcgggc atcaggaacc ctgaggatat cccatgggccc gaangctgga gctgantacn 420
 ttgttgagtc tactggntgt cntcactgac aaagacaagg ctgcagctcn acttgaangg 480
 tgggtgccaa 490

<210> 1665
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-085-Q1-E1-A10
 <400> 1665

aagcgtccga tcagcttttt gganaataaa ccaaanaaaa cattcggana ccctaaaatc 60
 tccantacaa ntcgnaaatg ncaaanaana gaaagctcga tggagaanaa tctaacgaag 120
 ctgaagaacc gtcgcagaag ctgaagcaga cgccggagga ggagcancag cttgtaatta 180
 agaatcagga taancaagga nacgttgann aagttgaata cgatgaanta gaggaanagc 240
 aagaagaana agtacgaann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnngcg acctctggat ctggcaatca anangatgaa 360
 tgacgatgac ccaantcaag atctgttgga accattttca aaaggagca agttttgagt 420
 ccctc 425

<210> 1666
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-084-Q1-E1-C6
 <400> 1666

gggcggacgc gtgggggtcca ttactgcagc atttcttcgt atgcagtttc atgattgctt 60
 tgtcaggggt tgtgatgctt cctcttgat cgacccaaga cctggaaggc catcagagaa 120

aagcactgga ccaaattgcaa gcgtgagagg ctacgagatc attgatgagg ctaagagaca 180
gctcgaggct gcatgtcccc gaactgtctc atgncagac attgtaactc ttgccacaag 240
anactcggtc gcattagctg gtggtccaag gttctcagta ccaacaggaa gacgtgatgg 300
attaaggtca aacccaatg atgtgaactt acccggaacca ncaattccgg gttagcgcac 360
ctatccaatt gtttgcant caaggtatga ataccaacga tatgggttaca cttattg 417

<210> 1667
<211> 522
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-083-Q1-E2-H12

<400> 1667
aatccgggan tcccgggtcn acccagcgt ccgctccgat catgtcgtcg aagaaagcga 60
agacgaagaa cgaggcgagt agcagccgtg gtggcatcgg cggagagagt atagtcgctg 120
attgtggacg aaataaatca acttgcggtt actgtaaatc ttctacccgc tttagtattt 180
ctcacggttt atgggacaga agagactcac cgtaaatgac tatcaagctc ttcttgacag 240
tggatggaga cgatctggct gctatcttta caaacctgag atggagaaaag acttggtgcc 300
cttcttatac aatcccgctt gaaaagcaag tgattttgtc ctttctaagg gagcaacaac 360
gagtgcgtag aagaataaga aanggttttg gatggtgaaa ctaagatgcg aaaccngatt 420
gagcaagaca gaaagattca agaantcccc tttccccct tgaagtttcc agtgtcagnn 480
gaaaaaatcc acttggganc tggctaaaag gagaaaaaa cc 522

<210> 1668
<211> 465
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB22-083-Q1-E2-H9

<400> 1668
acgcgtccgc ccacgcgtcc gatttggtcg ccggaatatg ctcccttctc ttaacgtcga 60
tcacctgttt ttctctttcc ctctctctct atttttctca actaggaatc aaccatgaat 120
ctcccatcat tctcacttct ctcttctaatt tctttcatgg aattttcagg ttagaagaag 180

attccgggca gattatctgt tgattcgaag aataccgaat acgcgtttga aatttctgaa 240
gaattatggg atacttggac ttggccttgt cgtattccaa ccagccgcag actgttgaag 300
ctccagcgag cggaggaggt ctccagccaga atggaaaatt tagctatgga tatgcaagct 360
ccgctggcaa gagatcatct atggaagact tttttgaaac tagggatcga cggtatcaat 420
ggagaaatag ttggtctatt tggaagtttt tgatgggcca aggtg 465

<210> 1669
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-084-Q1-E1-A10

<400> 1669
atttttgcta tttttattat tttccgtgtt taatttctga ttcagacagg aagattaata 60
ttaancacta gttgtgcaaa ttcacaattt ttttttgtgg atgggaacaa atttctggca 120
cacgtattcc aatccaaatc gacaatatac gcgtcnctga tggatatgtt ttggnntcag 180
tgagaaacag agattgattt tggttttctt taatcatggt ggagccttat gagacacgta 240
acaacggtga agcatcccag atgatcaaga ttcagagtt ataaccatca caanttcag 300
gactaacatc ttcattaatc atcgccattg cntgnatttg anagtgttcc atgtcaggnt 360
cangtaantt caaggtggna tcattcgaca cctgaagggt ctcaccattt actcatat 418

<210> 1670
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-084-Q1-E1-A12

<400> 1670
attcccnagg tccgaccac gcgtccnaag gacgcgtggg ggaagctccg atctgagttt 60
tttttagcaa tggcgaaaat gattcctanc ctgctctctc taattcttat cggctcttgtt 120
gcgatcgcct ccgccgcagt tatttttcgag gagcgctttg atgatggntg ggagAACAGA 180
tgggttaaAT ctgagtggna gaaggatgat aacactgctg gggagtggaa gcacactgcy 240

ggaaattggt ctggtgacgc taacgataaa ggtatccagg accagtgaag gactacagat 300
tctacgccat ttcagctgag ttccctgaan ttcagtagca angacaatga ccttagtctt 360
ccaattctca gtcanggan gaagcaaang gcttgactgc ctgtggnggg ctaacatgaa 420
ngtacta 428

<210> 1671
<211> 406
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-084-Q1-E1-B10
<400> 1671

atttccaacg attttttctc ttccatggct ttttttcgct gatcggnaaa tcaaacgttt 60
gtttcggttt cgatggtgga agctacntcg aatttgacgc cgactcagag atatgcggcc 120
ggcgcattgt ttgcgatcgc tttgaaccaa gcgcaaatca accagactca gccgctggga 180
accccggcgg cggaagacga cgacngaagn gatgnagagc gaagaagcaa ttgcagtagc 240
ggagattctg tctccgaatg accccaacct ttgggtacac gagacgtctg gccttcttcg 300
ccccgttttc agatgtcttg anattgattc ancggtntgg cttgggtctc gancaaaaaca 360
gcttgccctn tctccggcct aancaccaca tcggggggng ttcacg 406

<210> 1672
<211> 462
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-084-Q1-E1-B11
<400> 1672

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tactgccaa gttcaanttt ctttatggca aagatgtttt gaaaaacang cataagacat 120
tgaggaactt gtttaaactt gtgaataatc ttttgnatga ngatggnttt aggttgggat 180
gatactagac agatggntgn tgctganaac tgcgtttggg atgagtatct taagattcan 240
cctgantcna gatcttttcg gntaaagtct ataccttgtn acaaaaagatc tgtgccttgg 300

ttactcacat ggaatgtctg agcacaanag ctgaggagag tatnagtga gggagaatcc 360
aagacactga ttcaggaang atgatggggt acaaccagna taagtgaatc cgtcaacaat 420
caagtcctaa ctcaanaagg aagccactnt cacaccgggg ca 462

<210> 1673
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-084-Q1-E1-B2

<400> 1673

ttacgccgnc cgtagccgtc caaaaattca aggggtcgacc cacgcgtccg ngagggttttc 60
tctcaagagc tgccaacccat cgttgcccgg agatttataaa aacctgtgat aaatcgtaac 120
tgagtgaagc atatatacac atatatacac acagagggac aaggaaagag attgggatat 180
gagagtgcgc atcggttctg tcggaacggc taactcgctt gacctagggt ttcgtcttcc 240
ttgtgcttcg tggagttttt cgaatgggag aaagaacctt tttgctttct aaccgtgttc 300
tatatttttg ggagttgtca taagtaaagc agtatgacgc ttgaagattt ctttacccta 360
acagaaataa aagatggact cacggtcact tctcgtgttg aagaacttgt gtctgtttat 420
gcagaagtaa taaaggattc agttttgaag aatagtggng atgcntttta gacaatggga 480
ctgct 485

<210> 1674
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-084-Q1-E1-B3

<400> 1674

tttacgccgt gccgtagccg tccanaaatt ccagggtcga cccacgcgtc cgaaggacgc 60
ntccgcccac gcgtccggcg atcgacaagc ttccacttct tctctttctc tccataactn 120
tctgcctcaa tcgccctggt cttagcgaca ccgatgaaga ggacattctt ctcacaggaa 180
tcaanagcta cagaacaaca cagaatctaa caatcttaag caagaacgaa nacgcagaat 240

gcctagctga cgaaatcgca gaccaattca agaacaaacc cttgtagaac gacactggct 300
cagccacagt acctggaact gagccacagt tcgcaaacta ccctcaagat tctagcanaa 360
atgcnacttt gaanggtcnc agncacgaga gacgggctcg attatgcctg catgtgttcc 420
tccgtttaga atcaaactcg tcctcanaaa cntcaccaag tacaatactc aatgagtttg 480
aagattccca g 491

<210> 1675
<211> 413
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-084-Q1-E1-B6
<400> 1675

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ccatgattct cctttctcct tcgctccaat ccttttctcc ggccggcagct atccgatcat 120
ctcacccta cgccgacgaa ttcaaaccac aacaaaactc cgattactcc tccttcagag 180
aatctccaat gtccgtaac gccgaacaat gcagatcttc cggcgaagat tccgggggtct 240
gtaaccctaa tctcgtenac gtagccatca ctctcgacat cgattacctc cgtggntcaa 300
tcgnagccgt caaatcgatt ctccangcac tcaatgtgcc tcaaaancgg tcttctcca 360
gttctcngt gntcgtecca gtctcnaaaa cctaggaacc ctgngtcggt cta 413

<210> 1676
<211> 473
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-084-Q1-E1-B7
<400> 1676

acgccgccag taacgggtcaa gaattcccgg ggccgaccaa cgtccgatct tccgttgctt 60
ttttttttca atccgccgcc acttttcgtt tctcgtagcg ttaaaatggc ggtatcgtag 120
aatgcattag ctcaagtcttt agcgagaagt agctgcttca tcccaaacc ttattccttt 180
agagatacta agctgagaag cagatccaat gtcgtattcg cgtgcaatga taataagaac 240

attgctcttc aagctaaggt agataacttg ttggaccgca ttaaatggga tgacaaagga 300
 ttagctgtgg caatagcaca aaacgttgat acgggagcag tattgatgca aggctttggt 360
 aatagggagg ccctctccac aaccatcagt tctcgaaag ctacattctt tagtcgatca 420
 aggatctacc ttatgggact aaggagaga catccaataa cttcatcant att 473

<210> 1677
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-084-Q1-E1-B9

<400> 1677

actgaaactg aaactgaaac acttctctct ctctctcttt ctcgcttcca cgaatcgaga 60
 gttctacaaa ttcgcttctt agggtttctc aattcttcta atttcttcat ttctatggcg 120
 agtcaatgag cgaaatggcg gctagctccg caatctctct tctcgatata aaactccgac 180
 gattcggcgt tggcgcaagt aaccatgaat tgcgcctaac taagtgggtc aaagggtgatc 240
 aagccggagc tccgacgaga agattcacct gcttcgcaga tatgttggca ccgattcgcc 300
 gctctgagaa gtcagaggaa cggcggtttg atcagaagat gagtgctcac ggtgccggga 360
 tcaaaacttc ttctctgca gtgccatttt gcntctccta aatctcgatt tt 412

<210> 1678
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-084-Q1-E1-C10

<400> 1678

agaagaaaga tagagaaaaa aaatgggagg caaagggtgtg atgatgggtg cgatactttg 60
 ctttgggca ctctctgcaa catctgaagc agtaacagag gctgagccag gtttcatgat 120
 gaacttctac aaggacacgt gtcctcaggc cgaagacatc gtccgtgaac aagtcaaact 180
 cctctacaaa cgccacaaga acaccgcttt ctcttggctc cgtaacatct tccannactg 240
 cgccgttgag tcatgtgatg cnntcgcttt tgctggnttc caggagagacn gagagctagg 300

agagaaagaa cacgacagga gcttcgggac ctacaaactt naggtacatc caaggaagat 360
naaaggaagc tctccagacn ggaagtgtcc ctgctgtttt gtcncatgt tctggaca 418

<210> 1679
<211> 410
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB22-084-Q1-E1-C11
<400> 1679

ttttccgttc tcattccctc tcttctccgc atctctcact ctctctgtgt atgtgtgatg 60
tcatcgattg tgaatcgagc tagttcagct tctcttcta atttctcgc atggcgtgct 120
ctgggggtttc gcaccatctg ctccggccgc cttggtttcg ctccgtctgt tccagactcg 180
ccggtctccg caggaaccaa aattttggaa tcatttaagg aggaattcga agtcggatcc 240
cgctggtctc cgtttgagac tggaaaaatc gctcgctttg ctaatggttc aagttgttct 300
cggcatggac gagaccaaag ttctctctac tgttacttgt gctaagaccg actcgctctg 360
gggacttctt acctctcact gttgactatc aagagaagca atacgctcag 410

<210> 1680
<211> 517
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-083-Q1-E2-G3
<400> 1680

gttcgccttn acgtacggct ccggaatccn aggtcgaccc acgcgtccgt ctagctcttc 60
gatttcacgt cactcttcac tcaataaaaa agctactgct tcaaagctct acttcttcaa 120
tttactctca ttcgtttgcg ttgatgtagc aaaacaaaaa caaaatgggt tcccgtctcg 180
ttctgcttct tctttctcct tctcttgctc tctgctggag agagttcatc gcaattagtt 240
tctgggtccac acatcaccga tgtaacata ctcttacctc ccaagatgaa gaatccgggt 300
gagtatcgcc ttcaaggaag tgatggctgc ttcaaagtgt catgggatca tcatgatatt 360
ctaacagtca cacctgagtt taattcgagc agtcattggt cgaccaacgc gcgtcctcaa 420

gattacttaa cactgtcgag ttagtgataa cctctccgct gtgcagagca atggaaactt 360
 caataggaat atttagggga caaggatatg taaatatatc cgaagacttt gcaaaagcta 420
 acaacttccc tccaattgta gcacntt 447

<210> 1683
 <211> 558
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-083-Q1-E2-F1
 <400> 1683

gtncctgtt cgtaccgccc cggaattccc gaatcgaccc acgcgtccgc ggacgcgtgg 60
 gcggacgcgt gggtnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnggt gatcagatct cgtgccgacg aaaacgtgcy tctaaagcaa 180
 tgctgttcgc actctgctat cttcaattcc tcgatttatc ttgaactgcy attgtttgtt 240
 gttgtttcga tttcgttggg ggtaattggg tgaattagag aagtgaatga gaaattcgcc 300
 ctgcyattct gtcctctgtc cggatgatga attgccggga gcaaaaacaa ggtccggatt 360
 ccaagccttc cccaanttt gnnngtaatgg tccaatgggg gccnaatgcn gnctggatcc 420
 tgaaattcca atttcctcc ccccaaatac aggtttnaan ttcnangggg tcctccnaaa 480
 ttcccggggg ttttnantcc ggnnggttaa atngaantca ncgaattccn ccaaggataa 540
 tccccaaaaa cggaataa 558

<210> 1684
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-083-Q1-E2-F10
 <400> 1684

nctctctcga tttgaagaga gaaaattcgt tcgatttcgt tttctcttct tcttttgat 60
 tttcccgga aattttggaa tcggtgagtc tctatcgatt actggtcaac catgaatatc 120
 tttagatttg ctggcgatat gagtcacttg atcagtgtct taatccttct tctcaaaatc 180

tacgcgacga aatcttgcgc tggaatctct ctcaagactc aagagctcta tgcgcttggt 240
 ttcttgactc ggtacttgga tctgtttacg gattatgtat ctctgtacaa cagcatcatg 300
 aagattgtcn tcattgccag ctctttggct atcgnttggg gtatgcgtag gcatccacnt 360
 gtgaggaggt canacgataa aggacctgga cacatttncg tca 403

<210> 1685
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB22-083-Q1-E2-F11

<400> 1685

acgcgtccga tactctcttt tgatggctgg aggagagaaa agaagaggac ttagtaaadc 60
 ttgtgctctt cccatagtga ttgctgggat agagagatat gcattcaaag gagttgcatc 120
 aaacttagtg acatatctaa ctgatgtagt gaagatgagc aattcaagag cagccacgac 180
 tgtgaacact tggagtggct tcactttcat gttgcctctc ttctctgctc cttttgccga 240
 ttcttattgg gacagattct tcaccatcct tgcttcttct tctctctact ttgtgggtct 300
 agtgggattg acatttacgg catttgctgg gtcacgttcg actacaaaaa caatctctct 360
 ttacttcctc tacacttcac ttccctcgt cgctctaggc cttggcgtct taaacccatc 420
 tctacaagcc ttggtgctg accagctcga ctacgacc 458

<210> 1686
 <211> 475
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-083-Q1-E2-F12

<400> 1686

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 agaaagtctg tggaattaca gaaatggcgt aatttaagag ttacagtgag cattgtgcaa 120
 aatgcatttc cttttaccac caaatcggtc tcttctacaa tagctaaaga ttcgagtcca 180
 aagggaagta ctttcacagt ctcttatctc gttgaatcat tgggtttgac taaaaaactt 240
 gcagaaacaa tctcaaagaa agtcaccttc gaagacaaga tgctgagaaa tctcttcgctc 300

nnnnnnnnnn nnnnnntgc ggacatttcc agaggcagtt ttccaaaggg ctttgtcttt 300
 ggaactgctt cttcggcttt tcagcatgaa ggagcggtag aggcagaagg cagangtccc 360
 tacgatatgg gacacatttt cccacacttt tggtaaaatc accgatttta gcaatgctga 420
 tgtccccggt tgatnagtan catcgttacc aaggaaanat gtacaactta tgaagaaata 480
 tgggnaatgg gncncttana naatttccca ttcntgggcc ccgcattttt ccaaaagggg 540
 gt 542

<210> 1689
 <211> 497
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-083-Q1-E2-F8
 <400> 1689

acgcgtccgc ccacgcgtcc gcggacgcgt gggttcgact tttcctctct ctcttatata 60
 aattatatat tttgctttgg tttttttttt ttcaccggat cgatcgagaa gagagaaaag 120
 ttcactttct tcttgttctg attgtttgac aagttttacg acaatggcgg tttacggcga 180
 gaaagaacat tgggtggctcc gcaacaagga agatcgttga taaatacatg aaagaagcaa 240
 agagtttaat agcgagtcaa gatcaaaacg actgaaatca gctctaaatc ttcnggaatc 300
 tgcaccctcn gtancnctc gttacgaact ccgctctcga actcaaagnc aagttccctt 360
 cntaactccc gtcgatncaa aagacttcgc ccgataggct tcaaggatta acatcccaag 420
 nccttaaatt aaccgggngg nngggaaana tcccgggnac cgggttcacg ngnagctttc 480
 ctttaacnca atccttc 497

<210> 1690
 <211> 459
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-083-Q1-E2-F9
 <400> 1690

acgcgtccga acaaagagag agagagagag agtggttatgt tatgtcttta ttgtcaatta 60

gtaattttct tcgaattaga tgttgtttct ccgtcgaatc gccgtcgtct tctttgtctt 120
cacctctttc tccgccgctc agaactccac gtgtcctctg gacttttccg tccttgaacc 180
gttccggcgt ccgaaacccg atggcgccac cacctgccag tacctcctcc aagggctacg 240
cctcctctac tctcaccatc tccgtcagac gggttccttt ctcccgccac ctgagtctgc 300
tgcttcttgc tgggctgctc tccagtcttc cgtcgccggt ttctccctc gctttgacgt 360
ccgatccacc tgcggtttcc agacgccgtg gatttcgcag ggggtcatgg acatcaccac 420
caggtctcaa ttcgaatccc ttatcctaac tctccctc 459

<210> 1691
<211> 460
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB22-083-Q1-E2-G11
<400> 1691

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ggcggctaca cgacggttat cgatgtcatt gactgtaccg gagttcgatt tcagattgac 120
gccacagttt ggtttctcac agtcaccgat cggggagcgt aatttcgcgg atgttgataa 180
tctggagaac tgtattaagt atttgaatca gagcttagtc acctctggat tctctgcttc 240
gcttgacctc ttcgctaccg atcctgtttc gattgctaga acttgcaatt gcgtatacgc 300
tttgattcaa cagaggcaac gagatgtgga atttagagaa tctgctaatt atcagagaca 360
acgactttta tccgatatgg cgagactcga agcaaaagtt gaaaggcttg agactcaatt 420
gcaagctaaa gaaagggaac ttggttcggg gacaagaacg 460

<210> 1692
<211> 513
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-083-Q1-E2-G12
<400> 1692

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aacgcacacc gaagaaaaca cacaagactc cattattctc ctgcttcttc gtctcttcaa 120

ttattttctc	tgagactagc	tttgattcan	ccatggctaa	tgagcatca	ggaatggcag	180
tccatgatga	ctgcaagctg	aaatttatgg	aattgaagac	gaaaaggaca	caccgtttca	240
tcatttacia	gattgaggag	ctgcagaaac	aagtgattgt	tgagaaaatc	ggtgaaccgg	300
gtcaaaccga	tgaggacctt	gctgcaagtc	ttccagctga	tgaatgccgc	tatgccattt	360
tcgattttga	ttttgtcagt	tctgaggggtg	tccaaggag	caggattttt	ttcgtggcat	420
ggtctccgga	cacagcanga	gtgagaagca	agatgatcta	tgcgagctcc	aaggacaagt	480
tcaagagana	actagacggg	antcaggtcc	aag			513

<210> 1693
 <211> 542
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB22-083-Q1-E2-G2

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cctcctcctc	gcttcttct	cacgcaacct tggatccacc gcagctatga agatcaccgc 180
cttgctcggt	ctcaagtgcg	ctcccgaagc ttctgatccc gtcctctct ccaacgcttc 240
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cggtcgcact	gtcgctagcc	gaacccctcc ttccaacgc cagtctgttc aacacgaaga 360
gtacaangtt	cacgcttaca	atagaaatgg cctttgcgcg gtgggtttca tggacgatca 420
ttaccctggt	tcgaagtgct	ttctctcctt ctcaatcaag tcctagatga gtacaagaag 480
aattttgggt	gagtcatgga	nggccggcaa aaagaaagac tccaatcaag ccttgggcaa 540
ta		542

<210> 1694
 <211> 486
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB22-083-Q1-E2-E6

<400> 1694

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tgagtggtttt gggcaagaaa cagagagaaa cacgttaatt tgagagtttg tcattgaata 120

tttggtttgc aatggaaaga gattttcttg gtttgagcga caagcagtat ctaagtaata 180

acgttaagca tgagggtaac gatgatgctg tcgaagaacg aggggttaagt acgaaggcag 240

ctagagaatg ggggaagtca aagggttttg ctacttcaag tttcatgcct tcttcagatt 300

tccaggaggc taaggcggtt ccgggtgcat accagtgggg atcagtttct gcggccaatg 360

tttccgcaga tgccaatttg gtggtgcgtt caaaacgccg acgcccgtt ttacnaaggc 420

ggtcaattcc ctttaccac tcaaccttcc cttgttcaa cnaatggctt cccccggat 480

tatccc 486

<210> 1695

<211> 439

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-083-Q1-E1-A6

<400> 1695

tacaatgctt atggtgtgtt taaagagaaa gagatgtatg agagagtgtt tggatgatgaa 60

gagaagctta acaagtttct gagatggaga gttcagggtt tgganagagg tgttaaaatg 120

cttcatttta aacctggttg tgttaattcc attantcaag ttacagatct taangatatg 180

ccctaagang agagcttaga gttgcttcta aatcagatcc tctctcnntt ttcaagataa 240

ttaccctgan nttggntgct actaagatat tcacaanacg tgccttggtta cttcagtggc 300

gatctancan agttcagccc attcctgact cagagaacac cgancaagtt tgtgatgtcc 360

aaacgaaggc aatgcagcca agaaacactc ctacaanttc cattancgcc acaagatatt 420

ccgggtgcca tacggggggg 439

<210> 1696

<211> 466

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-083-Q1-E1-C11

<400> 1698

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gggtacgacg gctccaggtt tgccttacgt agacgaggcg ataactaatg ctggaaactg 120
gctcattggg ggtgatcttg aggttcttga gccagtgaag tacaatgatg ggcttgatcg 180
tttcaggctt tcgcctgctg agttacgtaa agagttggag aagcgtaatg cggatgcggt 240
gtttgctttc cagctgagga atcctgttca taatgggtcat gctcttctta tgactgatac 300
tcgtaggaga cttcttgana tgggttacia aaaccctatt cntttgcttc atccgttagg 360
tgggtttaca aaaggctgat gatgttcctt taagatttgg aggatgaaag caacacgaga 420
aggttctaag aggatggtgg tccncaatcc ggaaaactaa aagtggtttc natattcccc 480
gtcaccctat gcaattaccn cggg 504

<210> 1699
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-083-Q1-E1-C12

<400> 1699

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caagtatggc gactcaaadc ancaagaaga gaaagtttgt agcggatggt gtattctacg 120
ctgaattgaa tgaggttctc acaagagagc tagcagagga tggttactct ggtgttgagg 180
ttaggggttac tccaatgagg actgagatta tcatcangag ctactcgtac tcagaatggt 240
cttggtgaga aggggaggag aattacggaa ttgacatctc ttgtccanaa gagattcaag 300
tttccaantt gacagtgttg agctccaatg ctgagaangt taacaacaan aggtcctctg 360
tgccaattgc tcaagcctga gtctctaagg ttacangctt tccccggtgg tccttgctgg 420
ttcgcaaggg ccctgttanc ggtgttttga ngatttggtg 460

<210> 1700
<211> 485
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-083-Q1-E1-C3

<400> 1700

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taatcttagt tttcgctgat tttgagtaag ttatcgacat ggatattgat gtcggaccag 120

ttgatccatc tgtcctatac gagcaagacc tccatgtttc ttctgctggt tgggaaggac 180

aggaacgagg tctacttcgt tgtcaagaac acacttcatt gctacatcaa tggaaactca 240

ctgatgaaca aattaacctc gtggacaaaag ctgggttcgg ttactttcgc aaaatcggtc 300

caatgagttt aaacaattca ctgatctctg cacttggtga gcgatggaga agagaaacca 360

atacttttca tcttccttta cgagaaatga ctataacctt agacgaagtt gcttttagtac 420

ttggacttga gattgatgga gattccaatg gttggttcca aanttgggtga tgaaggttgc 480

tatgn 485

<210> 1701

<211> 434

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-083-Q1-E1-C7

<400> 1701

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aatcggagggt aacagggtcga acgcagggga tctaacaatg gtgataggag cattgtatgc 120

cgcgattatc ttcgtgggaa tcaacaactg ttcaacagta caaccgatgg ttgcagtgga 180

aagaacagtg ttctacagag aaagagcagc aggaatgtac tcagccatgc catatgccat 240

ctctcaagtc acttgtgagc ttcctatgt ccttattcaa accgtttact actcaancat 300

ggcgtacacg aaaagttcnt ctgggttcgt cntcgtaaag ctacttctca ttcctctact 360

gggacttact acngcatgat gactgtttcc ctcaacacca agancntcna agtcgcttcg 420

atttttcgcc tcaa 434

<210> 1702

<211> 428
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB22-083-Q1-E1-C8

 <400> 1702

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 aggttttggg gagaggtggt aaaatgcttc attttaaac tggtggtggt aattccatta 180
 ttcaagttac agatcttaaa gatatgccta agagagagct tagagttgct tctaatacaga 240
 tcctctctct ttttcaagat aattaccctg aattggttgc tactaagata ttcataaacg 300
 tgccttggtg cttcagtgtg atctactcaa tgttcagccc attcctgact cagagaaaca 360
 nagagcaagt ttgtgatgtc caangaacgg caatgcagna gaaacactcc tacaagttca 420
 ttangcca 428

 <210> 1703
 <211> 500
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB22-083-Q1-E1-D10

 <400> 1703

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 ttgaaagtgt tcctgaaagc tccattacaa aactctcgag gtctgagatt aagcaggaat 120
 tagtgaacgc tcaaagaaag cacttggaac aaatgatact gcccaatgtt ttggaactag 180
 aggaggttga tccctttttc gatcgtgact cagtggattt ttctctacgc atcaaaaaac 240
 gccttgagga atcaaaaaag ctgcagagag atcttcagaa tcgtatcaga aaacgtatga 300
 aaaanttttg tgaagaaaag ctttttgttc aaaagactcc agaaggtgaa nctgtcaggg 360
 gatttctga agcagaggtg aantggatgt ttggananaa agaggtggtt gttccaaaag 420
 ctatccagct ccatctacgc ccatggttgg aaaaangtgg cagggaacaa accacaagcc 480
 gatttaaaac ataaactttg 500

<210> 1708
 <211> 477
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-082-Q1-E2-H7

<400> 1708

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 attctccggt gttttcacgg tcgtcttctc tattctgcaa caaatcttcg attctctcgt 180
 caccgcaaga atctctttct ctaacgcttt ctcatcgcaa acctcagacc tcttctcctt 240
 cctctccatc caccaccgtt tcttctccta aatctccatt tcgtctccgt ttccagaaac 300
 ctccgtccgg attcgctcct ggggtccatta ncttttggat ctgaatctgt ttctgcatcc 360
 tctcctccgg gaggtgtttt aaagaggaaa cgacctacaa ggcttgatat agcgattggg 420
 tgttgcttgg ctttgtaant ccgaatttct tcattcggcc cgctgggtggg ctggcna 477

<210> 1709
 <211> 508
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-082-Q1-E2-G10

<400> 1709

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 tcgtcgagaa gacctcaagt ggccgtgaat acaagggtcaa agacatgtct caagccgatt 120
 tcggtcgtct cgaactcgag ctgcccgaag ttgagatgcc tggactcatg gcttgctgta 180
 ccgaattcgg accttctcaa gccattcaaa ggcgctagaa tcaccggatc tcttcacatg 240
 accatccaaa ccgcccgtact catcgaaacc ctaactgctc tcgggtgctga agtcagatgg 300
 tgttctctgca acatcttttc cactcaagac cagccgccg cagccatcgc tcgtgactcc 360
 gccgctgttt tcgcctggaa aggtgagact cctcangagt actgggtggtg ttaccgaacg 420
 tgctcctana ntgggggtcca aagttggtgg tcctgattct gaatggttga tgaatggtgg 480

tgacgctact ccttttgant caagaagg

508

<210> 1710
 <211> 522
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-082-Q1-E2-G2
 <400> 1710

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 gtcgaaatct taacaccaat cccaaatcag aaaaatcaaa acptttttatt ttantttatc 120
 aanatggcgc ttatgaatgg aagcatgaat ctatcatcgg tcaaatacatc gatgatcaac 180
 caccgtcaac caaacttctc ctccgccgtc tccagacca cttcttttcg gatctccgcc 240
 gtgcaaaccg acccaaaaac accagctgct tcatcggcgt cggcggcgac gacgactccg 300
 gcaacgttga cgaagcccgt tggagttaat gtgggtaaag gaaaatgggc accaagagag 360
 ttggaggacn aagaaagctt tacaagcaac cgggactatc cagatttagc tgcgcttgaa 420
 gctgtgctag aagacgatcg aaagcttttc cctccgatng tggtcgcgn gagaactaga 480
 ttgcntgagg aacgattagg acaagcagcc gatgggggtga ag 522

<210> 1711
 <211> 520
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-082-Q1-E2-G3
 <400> 1711

tggttccctg tacgtaccgc tccggaattc ccaggctcgc ccacgcgtcc gtggaagtgg 60
 aagcccattt gatcctgttg tgtacgatgg caaaacctac ttgcctggcc aggcaaacia 120
 ttgctacatt ttccctgggc tgggtcttgg tttgatcatg tctggggcaa ttcgtgtccg 180
 tgatgacatg ctctcgcag cttctgaagc attggccgca caagtgcag aagagcatta 240
 cgccaatggc ctgatctacc cgccattctc aaacatcaga gagatctctg ctaacattgc 300
 agcctgtgtc gccgcaaaa cctatgacct cggattggcg tcgaacctgc cacgtgcaaa 360
 ggatcttgtc aagtttgcag agaacagcat gtacagccct gtgtacagaa actaacgtta 420

aaaaagtttt ggtaagaaa cctgcagatt atactaatca caacccttg ataatttcct 480
 aaaggcttgt aattaaagtt tttttgtttg gttggttggt 520

<210> 1712
 <211> 476
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-082-Q1-E2-G4
 <400> 1712

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 tntttttttt gttcttgttt cgttttctat atgtttatgg atgagttgta gtttccatct 120
 cccagccgga tatagaaaga agaaacagag gaaatttgtt cataaaggag gtacatatat 180
 acacatacaa gtctctgtga aatatgacat ctcagctaaa acgaacttta accaagagat 240
 acggtgttct tgaactgtgg gagatcatag tgattgctct ctttgcagcc ttcatagtaa 300
 tccttgcctt ttcagtttgg ctcagcttcc gtaaaaagtc caaaagatct aatgctacaa 360
 cgcttctgtt aactcaaagc cctcgcttta ccgaagaaaa taaaagaaat aagtgttgat 420
 catggttcat ctaacaacaa tgggtacttct taacaaaact cctgatgaga aaattc 476

<210> 1713
 <211> 518
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-082-Q1-E2-G6
 <400> 1713

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 cctacaccac acctaaccaa accccctacg attcacacag agagagannn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnncatg atcgatctca tggcagcaat catcaaagga 240
 gagcctgtaa ttgtctccga cccagctaata gcttcgctt acgagtcctg agctgctgaa 300
 ttatcctcta tgcttataga gaatcgtaa ttcgccatga ttgttaccac ttccattgct 360

gttcttattg gttgcatcgt tatgctcgtt tggaggagat ccggttctgg gaattcanaa 420
 cgtgctgagg cctcttaagc ctttgggtta ttaagcctcg tgaggaagag attgatgatg 480
 ggcgtaagaa agttaccaat ctttttcggg tacacaaa 518

<210> 1714
 <211> 519
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-082-Q1-E2-G8
 <400> 1714

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 cgcgtgggct ctctaacttg aaagtgtgtt ctttttttg aatctgagct ggttttggaa 120
 ttttggtgtc aagatttgga atttgaatct gtagtaagat tcaggtttag tgggggaggg 180
 aacaagttgg aagcttttgc tagttttgtc aaagggtgtca ctaaagtact aactatcaga 240
 aaacattttc agccagaagc ttggtgatgt atcttcagat tttcaacaac ccatctcatg 300
 gcttagctca tttatgctac tctagtcggg tttcgtgtag ggtaagactg agtcgtgtcc 360
 ttgccatgcc accgtcttca gtcctcttgc atatggacga aagcaatgat cttcccaagc 420
 ccaagaaggg tttttgtctg aggtgaagat tcgagaanca gtttaaacag tcctcctgna 480
 gattctttgc ttangcaagg ccaacacagt cnggaatta 519

<210> 1715
 <211> 505
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-082-Q1-E2-G9
 <400> 1715

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 gtcgcaatct caaccatag gagaaagaca tggcaatgat gggagacaaa ctgatactga 120
 gaggcttgaa attttatggt ttccatggag ctattcctga agagaagacg cttggccaga 180
 tgtttatgct tgacatcgat gcttggatgt gtctcaaaaa ggctgggtcta tcagacaact 240

tagctgattc tgtcagctat gtcgacattt acaagttagt tttaattact aatatgagag 300
gatttgctag agatagttaa ctaaattctc ccctttactc ttgaccaatc catttttatt 360
gtgacctcat ccaaaaatga caagctttgc ttatataaca atttgtcatc actatctgtg 420
tactgagtg atgcattgat tataggatat gaaatgattc cttgagaatg aagatttgaa 480
aaaggtgtgt gtagttaagt ataat 505

<210> 1716
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-082-Q1-E2-H1

<400> 1716
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ctccgacgac tcttcttact cttctctctc gatgaaaaag gccaaaaacg acctccacca 120
ttccctcaa canctaata ccgccgacaa ggttggtggc ttcatatgg aggaagatcc 180
aactcccgcc gccgctaatc tctctcgga gaaagctaca cttccgcaac ctactaanaa 240
gtttgtaatc aanctaata angccaaacc aaactctacc aacaaacttt gaggaagaat 300
acatgggaga agttgcagtc agctatcaga gcatattccn tcaanaaaaa antttcgttt 360
gaccctcgan aagcctttac caaggtgtt tgataacctt tgcttgcaat nagttgggtg 420
ggaaangctt taatgacaag attgagaaag gatgttgang agaacatccc ggcaaccttg 480
cgattc 486

<210> 1717
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-082-Q1-E2-H10

<400> 1717
ggaaaatcnc gggacgaccc aggcgtccgg gagagacaca cgcagatttt gagctgcgtg 60
ctctgtttta agcttgaagg gaggaaaaac atggcagacc aagaatcaga taagaacatt 120

gagatttggg aagattaaga agctaataca aggacttgaa accgcaagag gtaatgggaa 180
 caagtatgat ctctcttata atgcctccta gagatcaagt agctcgtgtc actaagatgc 240
 ttgctgatga atacggaacc gcctcaaaca tcaagagtcg agtgaatcgt caatctgttt 300
 tatctgccat tacttctgct caacaaagat tgaagcttta caacaaagtt cctccgaatg 360
 gtcctgttct ctatactgga accattggta ctgatgatgg taaagagaag aaagtgacga 420
 ttgattcgag ccntttaaac cggattaatg cntcgttgta ttgtgttgac aataagttcc 480
 acancgagcc tttgaatgaa cntttg 506

<210> 1718
 <211> 511
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-082-Q1-E2-H11
 <400> 1718

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 tgaacactga ggcccgtagt ttatctctgc agaagcaact ccagagatat tctccagtca 120
 ccctcgaagc caagttgaca gaactttctg aagcagatca gaaagcggtg ggtctaattg 180
 tgaaggctgc aaaaattatg gacgatatat tctatgagca ggtttggaa agcaatccag 240
 ccctaagaga ttggctgaag gatcatgcca atgcatcaaa actggacaaa ctaaaatggg 300
 attacttcac gatcaacaaa agtccatggg tcgtctcttg atgaaaatga agcattcttg 360
 agtactgcgg attcagctgt aaagttgctt ccctggagca acaaaagcca taactggctg 420
 ggaagggtcc ttgatataga gcaacctttc caatgactaa accaactggg ggcnaatttc 480
 aacctcccga tatggataaa atggagtcca c 511

<210> 1719
 <211> 525
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-082-Q1-E2-H12
 <400> 1719

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 tgcnctcntc gtcttccctc ccgagaaagc tcaacggagc cctagactgg ttttatcact 120
 ctcgccaaca ccaaccacgc tttttctctc tttacctcca tttttgtatt cgtcaccgga 180
 gtagatggat acgagagaaa tcaacgggtt tgctccgcc gcgagatcga tatctcttcc 240
 tacgcagcct aattacagta gcaagcctgt tcaggaggcg ttgaaacatt tggcatctat 300
 aaacctcaga gaattatgta atgaggcaaa agttgagcga tgctcgtgcaa caagagactt 360
 agctagctgt ggaagatttg tgaactatgt gttgaatcca tgtggtcatt cctccttctg 420
 cacaaagtgt tgtcagaagt gtgatgtttg tcctanctgt agaagtaccc taccaaaant 480
 tggagaatag acntaagnct cgtctccaat atgaatgtgt tgaac 525

<210> 1720
 <211> 501
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-082-Q1-E2-H4
 <400> 1720

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 caaaaattca gatctgaagc acacacaagc ttcggattcc agatcaaatac cggcgattca 180
 agccgctttc ccaaattcac cgtcgatctg gagccgttac aggatccgcc gcagaccacg 240
 gcgtcctccg gtaccggcaa cggcaacggt aagatacgt accgttcgcc ttcttccact 300
 gagctcctgg agtctgggta accattctcc tacatccgac tctgttgacg gaggtaagat 360
 gacggcgaan cgtgggattg ggacggcacg aatctcttgc tgacaagatc aacgccatcc 420
 gtnggaatat acntggnaat tccgggtccaa ntgtgttgat tcgggtcccg tcctccngcn 480
 aatgcctggg aaatncaatt t 501

<210> 1721
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-082-Q1-E2-G1

<400> 1721

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acgcgtccgg gagggttgca cacgacacgg ttacatgaga atcaatccac agagcgtttc   60
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gttggttaat atgaaaagtt tattcaaggc tcgaatcatc cttggagtag atgacgatca  180
aatcgcccga atgcgagccc caactaacta tttgtcagag gatgatgttg ttcgccgatt  240
tggcaatgtg gtgaagctca tgaagggcat acaaaatgtt cagcaacttc acttgcatc  300
tgatacactc gaggtgcttt caatgtgctg tgaatcgatg ccggtgttca acaacgtcaa  360
aacgttaggc attaagagtg actacgacag aggatggcaa gcantgcctg ctctccaan  420
ggaattgtcc acatctaaaa ancctgacct ttg                                     453

```

<210> 1722
 <211> 528
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-082-Q1-E2-E12

<400> 1722

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acataacagg aaacatccct catgagattg ggaaattgat gaaactcaaa acacttgatc  180
tctctaccaa taacttcact ggtcaaatcc cattcactct ttcttactcc aaaaatcttc  240
agtacttgag ggtaataaat aacagcctga caggaacaat tcctagctca ttggcaaaca  300
tgacccaact cacttttttg gatttgctgt ataataactt gagtggacca gttccaagat  360
cacttgccaa aacattcaat gttatgggca attctcaaga tttgtccaac aggaactgag  420
aaagactgta atgggactca gcctaagcca atgtcaatca cttgaacagt tctcaaaata  480
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<210> 1723
 <211> 475
 <212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB22-082-Q1-E2-E2

<400> 1723

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acgcgtccgc tacaactgat ttctacacat cccatgaagt gtttgcttct gccttatgaa 60
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gtctgggtgcg gagagcgtac cagacaattg gatggcgctc atgtcgagtt tctcaggggg 180
attgctaatac ctctggggcat taagggtgagc aacaaaatgg atccctttga gctgggttaag 240
ctaagtagaa atcctgaatc ctaataacaa gcctggaaga atcactgtaa ttgtgagaat 300
gggtgccgag aacatgagag ttaagcttcc ccacctgatc agagcagtcc gcagatcagg 360
ccagattgtg acatgggtct gcgattcaat gcatgggaaa caccatcaaa gcaccttgcg 420
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<210> 1724

<211> 498

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-082-Q1-E2-E3

<400> 1724

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cactacgtga tcgaggctct taccctgtgg acaaagttgt tagagatttc catggaaagt 180
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ccgagatggg gaagaaaggg tgcgccaaat cttatgggcc tttccctaaa ggttgtttct 360
ttacgtcgtc ggggtggattg aggagctttg agcacccaaa gaacgaattg aagccantng 420
ccgagagtgg gcaactcaan gtgacctgtt tgggtgcaaac cttcaaaggn tgaccgctga 480
gactaaagag aagaaggg 498

```

<210> 1725

<211> 476

<210> 1727
 <211> 470
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-082-Q1-E2-E9

<400> 1727

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 taatatatga atattcgac gtggatattt gtataagata tgcattaatc tccgaggcta 120
 tgtatagttc agaatttgaa gtgaagttaa ggagaggaag agagatggag gtatttagac 180
 ttggagagct gagacaccta ctggtgacgg ttttcttgtc ggggctcgcc gaataactga 240
 taaggccagt gatgactgac gtcaccgtag ccgcggtttg ctccggccta gacgattcat 300
 gttctttggc cgtctatctc accggagtac aacaagtac ggtaggaatg gggacaatgg 360
 taatgatgcc agtgatcggc aatctatcgg acangatatg gaatcaaagc aatgctcact 420
 cctcccaatg ttgcctcctc cggctcctnct ccaacaataa taagggtaca 470

<210> 1728
 <211> 493
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-082-Q1-E2-F1

<400> 1728

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 ccccaaaacc ttgaaacaaa gtctcaaaat ttcacttcgt ggatccgaat gtctcagaac 180
 ccatcactct tcttctctct atgtctaggg ttaggttttt gcgttgacct gggatcaatcc 240
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 cctgttttga acagtttcca caacgctgtg gatttggtgc cggtttttat tgggtcagtt 360
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 cttgatatca ccggtagtga tcgtgacgtc ccctgggact ggtgggtggtg ttcctcatct 480
 caaaacatcc ang 493

<210> 1729
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-082-Q1-E2-F11
 <400> 1729

acgcgtccgc ttcaaacaac aatctttgct tctctctgag tgatcatctt tcttggtcaa 60
 tggctgggtca aaagatactt tctttactgg ttatagctct tgttggtact tttgcagctg 120
 cggctcggct tcttgatgaa gaaaatgcat tctcagctac cacaaccacc cttgggtcag 180
 gttcaggttc caccggaatt ggttttggtg caggaacagg gtcaagtggc tcaggttcca 240
 cgggattcgg ttttggtgca ggatcagggt catctgggtc aggttctact ggaagcggtc 300
 tcggtgcagg tacagggtca ataccatcaa gtggttcaag tcctgggtct tctaccaact 360
 gccaatctg ttctgggtc tttagcgggt ggtggttcaa gggttccttg ctaccactgg 420
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<210> 1730
 <211> 495
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 1730

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 ctgtgatcgc tcctgagcca gctggtgagg ttgtggagag agaatcggtg atggataaga 180
 tatcggagaa gatccatcac ggtgggtgatt cttcttcgtc ttcttcatct tctnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnccct cttctccttc gtcttctatg aaatcgaaag 300
 ttaccgctt gttcggacga gagcagcctg ttcataaggg tcctcgggcg gtggaaagcc 360
 ggctgatata tcatgtggga aagaacaaga anatgtccgg gtggggtnac ttggtgggtg 420
 ccaacaaccn ccttgggggt gngttttgaa attgaatgga antaccatcc ttcccaatcc 480

495

ttccctggtc	cgtaaggcct	cgggaattcc	cnangtcgac	ccacgcntcc	gcttgtctcc	60
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gatcccttca	tcgcccgate	taaatctcta	atcgtgtcgg	agattaaaag	cagaggtttt	180
gtggtgaatc	atgtctgatg	tcccttcttg	ttctagcgg	aatgatacan	acaacaatga	240
ttcgagtaac	ttcgaatgta	acatctgctt	agacttggct	caagatccta	ttgtcactct	300
ctgtggtcac	ttgttctggt	ggccttggtt	atacaaattg	ctccatctnc	nantctcaan	360
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tttgtacngt agaggtaa at cgtctgctga acctccggtc caaagttcaa tccgggggtcc 480
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<210> 1733
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-082-Q1-E2-F6

<400> 1733

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cagtttagga ctatggagga ggagaagcaa gacggtggtg agcttttcca taccatcgag 180
gtagctaaag ttgaccggaa caacgtgtct cagccgccgc cggctgctac tgcagcactg 240
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aatggtatat tccggtctgg attcccgga ctcggcgaact tctccntcaa gcaaagaact 360
cctgggncct nggtcantca nanttttggg gtccagaggc catatcctga gaacaacatg 420
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a 481

<210> 1734
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-082-Q1-E2-F9

<400> 1734

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agcctcaaaa tctttgagtg ttttgcgctg tcggttttaa acaaaaagggt tcaataactt 180
tttctctcct ttgtttcttt tttgtttatt atctcctctc atcccathtt cccaacacga 240
cgtcggttaca gattcctccg atggacttcc cggacgatca cccttaacca ccttacaaaa 300

cgacnacgga ggaagaaaag gaaccggtac agccggagcg gttaggggta aaccgtgggtt 360
 cacttgagga tcaagatccg aatcggactt caatcgnttt cggttaacca gagagtcttt 420
 caatctccgt cctggatctg gganggtga 449

<210> 1735
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-082-Q1-E2-D9
 <400> 1735

acgcgtccgc tgcattatac agttttcttc tctttcactc tctccgtagt ctgagactcg 60
 ccggaaaagc ttgtattggc ttctcttcga tttctggcgg aagtaaggat atcacgtgag 120
 ctatgaagtt cctcatgcaa tccatttctg ggaggaatcg atctctgggt cgagctctag 180
 ttagtcggcg ttacttcgct tcatcgccgg aggaaatcg aaagagaaat tacgccaacg 240
 atctgtcgga atacaacacc gctgtcaact ccgtcacagc tcagcgcagg cactatttgc 300
 tgagggatgt ttatgatgat atgaagcttg atgggtgtga gcctacagct gatattctcc 360
 attcatttgt cgtgggaacg atgaaggtg ctcggttaag cgatgcgttc tttttccggg 420
 aagaaatgaa agccatgggg gattgctcca agatgtgaac ttgtaca 467

<210> 1736
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-082-Q1-E1-A4
 <400> 1736

aacttctacg ctnttcggtn nccgtccana aattcncggg acctttanac tcacaancct 60
 cctctcatct tcaccataac cgaaaaacca aacaaaaaat ccttagataa tcagatcttg 120
 atattatgga tcatatcatc ggctttatgg gcacaacaaa catgtcacat aacacaaacc 180
 ttatgatngc tgccgcagcc actaccacta cgacctcttc gtcttcctct tcgtcctccg 240
 gangngncng ggactaacca gctngcangt gtcagaatcn cnanagaaaa gattgggnca 300

caaccantta catgggatcc attggaaagg acaaatatgg anaggccatg aagaangatg 360
ctacantgct ggattcgtcc tcacagtatc gcctgaatcc a 401

<210> 1739
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-082-Q1-E1-A8

<400> 1739

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agcttctcta gacatatgga agtatgtctt tgggtttgca gatatagcag ctgcaaagtg 120
tgccattgat cttaaaatac cagaagccat tgaaaacccat ctttcttcac agcccgtaac 180
actagccgaa ctctcctccg ccgtctccgc ctctccctcg catcncgcc gtataatgan 240
gtttcttgta caccaaggaa tcttttaaaga aatccccaca aaagatgggt tagctacagg 300
ctacgttaat acgccactct ctgcgcgttt gatgatcaca agacgtgatg gaaaatcgct 360
ggctcctttt gttctcttcg aaacaactcc cgagatgctc g 401

<210> 1740
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-082-Q1-E1-A9

<400> 1740

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tattatgtga acctcaagga gaacaaagga cttatccaga gcgaccaaga gttattctct 120
agccctgatg cttcagacac tcttccttta gtccgagaat acgctgatgg tcaagggaaa 180
tttttcgatg cgttcgcgaa ggcaatgata aggatgagta gtctttcacc tttaacaggg 240
aaacaaggag aaataagatt gaactgtana gtggtgaatt cgaaatctaa aatcatggat 300
gtggtagaag atgctcttga atttgcaagc tcaatggtga ggaaatgttt ttctttaaca 360
ataaataaat tatcaatgtt tgtcaaagaa gttaaccttt tttcctaact cc 412

<210> 1741
 <211> 451
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB22-082-Q1-E1-B7

 <400> 1741

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 cgttcatcat ctccgggccg ataccagtgt gcgtttggat cggggttgaca tgagcctcga 120
 cagggtgatt cagcaagtgg gttccatgaa aattggggga ggtggcttga tatcagaggc 180
 catgaagaga gccgaggcta tggagattga gaccaacgac gattcggaga aatttgggggt 240
 tggattggaa ttgggaaagg ttaaggttaa gaagatgatg ttcgaatctc aaggaggggt 300
 ttttgggatc agtggaatgg gcggtgttgg taaaaccact cttgccaaag aacttcaacg 360
 ggaccatgaa gtccaatgtc actttgagaa ccggattttg tttctgactg tatcacaatc 420
 tccgcttctt gaggagctga gggaacttat a 451

<210> 1742
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB22-082-Q1-E1-B9

 <400> 1742

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 caacatcaac cacaccacca attcctcaag gatcaatctc ccaattctcg tctaccaacc 120
 aaaatcattc tacccaataa gaaacctgag aaatgggtcca ccggagttgc tcccggagag 180
 tacggtggtc ctccgactac caccaagctc cgaaagtact ggggaggtga aaaagaagat 240
 cccattactt ccacagactt aatctggaac agagatttta tggatcaa at gaagaaattg 300
 tttgatgatc ctaatgattc ttctctcgac ncatctcctt caaaggaaaa gtcttctggg 360
 tttctgagct ttagcagagt tatgagtctt gacaagtatg gatgttgatt taaagtnaag 420
 aacctgcac ntcctcca 438

<210> 1743
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB22-082-Q1-E1-C11

 <400> 1743

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nngaggatcc acatcgtgtg gtactgtctg agctctatac gcgttgatag 240
 ccgtagtaac tggttgtgca tgtatatact catgtttcta tcgtggaaag atgagagctc 300
 aatataatat taaaggagat gattgtactg attgccttaa acatttctgc tgtgancctt 360
 gttcctttga cccaacaata acggtgaact caancaccgc gggtacaat 409

<210> 1744
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB22-082-Q1-E1-C2

 <400> 1744

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 atcgcagaac atttttgttn aaatggcata nataataatc aataacaccc ttgtccaggg 120
 atttttgatt ctctctttgg gttttctcgg gaaaaaatgt ctgcgatact ccaaggagac 180
 tgganctgca acggctctct cgccgttnaa ntctatcgat tccaacaaac tcgttgctcc 240
 ttctcgctct tctctttcag tgaggagcaa gagatacatt gttgccggat ctgataataa 300
 aagctttggg tctagcctcg gtanctcgtc gctctgagcc cttgatacca aatgctgtta 360
 cnacgaatgc ggacactgct gcgagctcta cttcatcaaa gcctggacat gagctattac 420
 ntttcgaggc tcctcaagaa ngcttagaaa gaagagatgg acagagatt 469

<210> 1745
 <211> 403

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB22-082-Q1-E1-C6

 <400> 1745

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 agaacgcctt gctaggaacc aggatgttcc tcaggagtac acatactatg gcatcccatc 120
 tccttggctc cagggttaagg caatgagggc tcttcaatat tttccaacca ttgangatcc 180
 cagtaccaag aaaagctctc tttgaggtcc ttcagcgaat attgatgggc acagatgttg 240
 tgaaaaatgt gaataaaaac aatgcgtctc atgccgtgct gtttgaagct ctctccctgg 300
 tcatgcatct tgatgctgag aaggaaatga tgtcacagtg tgttgctctt cttggcaagt 360
 ttattttctgt ccgtgagccc aacatcaaga tatctangct tgg 403

<210> 1746
 <211> 364
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB22-082-Q1-E1-C8

 <400> 1746

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 tcatcatctc cacatcttta acggtaaaga ttaatcatgc ctgaaattca tttgggtgct 120
 catacaataa gatcccatgg agtaacagtc gcgaggttcc acatgcatga ctggctcatt 180
 cttctgctgc taatantcat tgaaattggt cttaatgtca tcganccctt tcatcgtttt 240
 gttggngaana atatgctcac tgatctcaga taccctctgc aggnnnanca canttccttt 300
 ctgggctgtc ccgttgatag ctgttggtgt acnttttgct gtcatttgtg tttancactt 360
 catt 364

<210> 1747
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: LIB22-082-Q1-E1-C9

<400> 1747

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aaagagagat gggttaatan gatttgaagg tgggtggtgat gggcaagtct tagatctgga 180
tactgcagtg aaannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnagaaattg gatctgaaga agatgataaa ggagctagat ttacaagata taccttctgt 300
tttcatttgt cctatctcct tagagccgat gcaaggatcc tgtgactttg tgtactggtc 360
aaacctatga aagggttaaac attcacaaat ggtttaacct aggtcacttg acttgctcta 420
ctacaatgca agaacttttg gggatgatac ngtaactccc 460
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<210> 1748

<211> 465

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-082-Q1-E1-D11

<400> 1748

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cttggttatac acattttaatg gagtttacac tagggacagt gaaatgagtt cttcattgac 120
tttgacttgc actgacgggtg ctctgcctt aaaacaaaga accatcggtc tcgctaacac 180
ccacttgctg attccctcgc agctcatctc catgtaccag cttcctcata agatagctct 240
ttgtttgctt tccaccgaac gaagtcagtc tcataatggt gacctttgga tcggtaaagg 300
ggaatattat tatctgcctt acgataaaga tgtctctaag atctttgcct ccacgcctct 360
gatcggtaat ggcaagtccg gcgagtactt aatcgatgtg aagtccatcc aaatcggtgc 420
anaagaccgt tccctatacc ctanggagcc acaaaggatt ancaa 465
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<210> 1749

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-082-Q1-E1-A2

<400> 1749

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aaaggttcgc cttcttgata anctttcnct ttgcagcaca atatgagcgt gtctacgctg 120
gtagctttca caaggacgtt cagatacatt ggggtgatgg ccgtggaaaa attctcgaca 180
atgtcggaaa tcttctttct ctctcgctcg acaaattctc tggttccggt tttcagtccc 240
atcaagagtt tctttatggc aaagtagagg ttcaaataaa acttgtagct ggtaactctg 300
ctggaacagt gacaacattc tatctaaaat ctctggaac tacatgggat gaaatagatt 360
ttgagttctt gggaaacata agtgggtcatc catatactct tcatact 407

<210> 1750

<211> 455

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-082-Q1-E1-D2

<400> 1750

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cccctgagta caaggnacta tcagaatggt gctgctaata ccccaaagggt tcgtcaatca 180
agaccttcac cagtagctat gaagaagacg ccagttccag aagcgaacaa atctttacac 240
tctttatcgt ctgatggaat ctctattgac ctcaacggtc agaattgattc ttttaaccat 300
aagcaggaga agccatcgcg aactgttcct ctatcccaa acagcatggc tgatcgtggg 360
aaacccttat caccacgacc tcaagggtcat gaacacagt gcaagaatna cacagccaag 420
tgaagattag tttgtttaat gttgtaagcc ctcca 455

<210> 1751

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-081-Q1-E2-E5

<400> 1751
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 tcacgaactc ggttgtgtgt agacaagcgt tcgggaagaa gtacaatgaa gatggataa 180
 gagatgaaga ggttcatcaa gattctttat gggactcaaa gcgttttggg gaagatcntt 240
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 atgaaagagt gtttcgaaag acaagacact tanattcacn gaggttgtca atgagacgct 360
 tgatcctaag agagtcaagc ccgnaaaccg atagnatgat tgatctcgtg aatggggatc 420
 n 421

<210> 1752
 <211> 164
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-081-Q1-E2-E6

<400> 1752
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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnaaa gtaatctcaa 120
 aaactgaatt ttagctgggt nnnnnnnnnn nnnnnnnnnn nngg 164

<210> 1753
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-081-Q1-E2-E7

<400> 1753
 ctctccccct ctcttgaact ttccgatttt gtatcaaaca cgaacctaact actgcttcct 60
 tgactggtaa tgtaagtatt tgggttggtta actccatgga aaaatcaggc ccggtgcaga 120
 aagccgttgt tctccagcca tttgtcaagt tggtagaggct tgtagcgagg gcttttctatg 180
 atgattatac tacgaaaagc gataatcagc agaaatctgc tagaagtgc aacagagggga 240
 ttgccgctgt ggtgctagac gcgctggcaa ggcggcaatg ggtagagaa gaagacttgg 300

<210> 1756
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-081-Q1-E2-F5

<400> 1756

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 nnnnnnnnnn nnnnnnnnnn nnnnnngaaaa tctagaagaa gagaaagcta caaaaatctc 120
 aacatcgagg taagagtttt ggctacagag caaccatgct aacttgcgcc ttctcccaaa 180
 atcttatecca ctaatctcgg taaggaaagt gatgttggca aaatggtgaa gaaaggaagt 240
 tggttttctg ctatcaaaag ggtttttact ccacattccn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nttttgggaa gctaaggcat 360
 ggccaagacc aattcatttc ttcccatctt cagagagcct agtagtatcg aaaagatct 419

<210> 1757
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB22-081-Q1-E2-F6

<400> 1757

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 acggtacacc attatgatat tgctcttgaa gttacagtaa tcaaccgaac caaggaaacc 180
 cttcagaact tgtgcttgga gttagcaacc atgggtgatc tcaaacttgt tgagcgtcct 240
 cagaactaca gtctggcacc tgaaagaagc atgcagatta aagcaaacad caaggtgtcg 300
 tccacagaga cgggagtcac attcgggaac atcgtctatg agacatcaaa tgtaatggag 360
 cgaaacgtcg ttgttcttaa tgacatacac attgatatca tgggactata tctccc 416

<210> 1758
 <211> 402
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-081-Q1-E2-F7

<400> 1758

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 tcnagcaccg tgtaaattggc cttttggcta cagtggcgga tgattttgtt atccgtttat 180
 atgatgttgt gacactaaag atgggttcgtg aatttagang tcatacagac cgtataacgg 240
 atttgtnent nangtgagga tggcaaattg gtcantcan ctagcatgga nggaagtctt 300
 agaatatggg atgtcanatt ggctaagcan antgatgggtg tgcattgtcg tgtgccaata 360
 acagcattgt cgttatcanc aantatggac gttttggcac ct 402

<210> 1759

<211> 408

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB22-081-Q1-E2-F8

<400> 1759

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 atctcacaaa tgttatgcaa cacacaacaa gtcceaagca cgtacggcag atcctgaagc 180
 ttcacctccg tccgtttctg caaacaagcc caccgtcctt tgagcctctc aaacgcagcc 240
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 ttctgtctcg tgtacggtac aagaagataa tcagtcaacg gaaaccaga gtttccaact 360
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<210> 1760

<211> 460

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-081-Q1-E2-G11

<400> 1760

tcanccgccg gcacaggtcc aagaactcgc gggtcgacnc angcntcnng ntnagnct 60
 ttcacaccca ttcccaattt tccgttcttg tttctgattg aatcnagata ttgattaagc 120
 tatggatgtc aatcggaag ctcacccgga ttgtcgatat tcttcaaadc ctttccatga 180
 atgtgcttca gattgttttag agaagatctc tcaaggcngt ggaaataaga attcaaagaa 240
 gcaagggtact ttctctgttc tcacactatg tttgatccgt tacnctatga gtatgcttct 300
 gttgtgatgg atatttctgt cnttgcctt ctttangtan tgcttcaagg ataattcttg 360
 naggggttgt ctgttatgac ngntatagtt tgatcaaggc ggttttanct ttcgatggat 420
 ctgcaaagtt gtttctgtc cttttcccat tgggaatttg 460

<210> 1761

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-081-Q1-E2-G9

<400> 1761

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 gattccggcc acgggacgga ccagtacggt gtcgttttct gaggatccga cgacgaagat 180
 tcggaagccg tacacaatca agaagtcgag agagaattgg acagatcaag agcacgataa 240
 atttctagaa gctcttctact tattcgatag ggattggaag aaaatagaag cctttgttgg 300
 atcaaaaaca gtagttcaag atacgaagcc acgtcaaga aatactttct caaagttcag 360
 aagaatggtg ctaacgaaca tcttccaact nctcgaacta aaaggaa 407

<210> 1762

<211> 462

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-081-Q1-E2-H2

<400> 1762

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attgtgaatc atgatggtga tttggagcca acgggatcgg ttattaatgg ttttgtggcg 120
attacaagat actgtaggtt cttgttgttt ggatttgaac gaanatggaa tggagtgggtg 180
gattgagaat aatccgaaga agcctcgaaa agggttcgtt gcacaggaga ttggagacac 240
gtttataact gtgccaaagg attttgtttg tccaatctct cttgatttga tgacagatcc 300
tgtgattatt tccactgggc agacttatga tcggaactct atagctaggt ggattgaaca 360
agggcattgg tacttgtccg aaaacaggac aaatgctaata ggattccgag gattgttc 418

<210> 1765
<211> 421
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-081-Q1-E2-H7
<400> 1765

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ctccgatcag ctcaagaggc aattgtgtta ccaccatttg ttgcttttagc tgtgagacca 120
agacctggag tttgggaata cgtaagagtt aacctccatg atcttgtcgt tgaggagctt 180
caagcttctg aatatcttca attcaaggaa gagctcgtcg atggaattaa gaatggaaac 240
ttcactcttg aacttgactt tgaaccattc aacgcggcat tcctcgtcc tacgctcaac 300
aagtacattg gagatggcgt tgagttcctc aaccggccat ctctcgggct aagctcttcn 360
atgacaaaagg agagcttgca tccgctgctc aagttcctcc gcctccattc ccaacgaagg 420
g 421

<210> 1766
<211> 472
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-081-Q1-E2-E3
<400> 1766

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cttgggaaac ttcgccggag attcatacgt cgtcgtcgtc tttagtatct gtatcgtcaa 120
 tggcgttgct gaagtctttc atcnatgttg gctcagactc gcacttccct atccagaatc 180
 tcccttatgg tgtcttcaaa ccggaatcga actcaactcc tcgtcctgcc gtcgctatcg 240
 gcgatttggt tctggacctc tccgctatct ctgaagctgg gcttttcgat ggtctgatcc 300
 ttaaggacgc anattgcttt cttcagccta atttgaataa gttcttggcc atgggacggc 360
 ctgctggaa ngaagcgcgt tctacgtgc aaanaatctt gtcactaat gaacctatct 420
 tgcagacna ntgatgtttt tgaggangaa aatcantcca atccaga 467

<210> 1769
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-081-Q1-E2-C12

<400> 1769

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 cgttctcgtt atttcttatt ctcatatctt ggattcacga ccatctcgat cgttgaccgt 180
 cgaatttggg ttcggctaaa aatccaatct tttttttccg gtgagaagct cgagagagta 240
 tataatttaa taaagggtag gtacgatttt ggttgagtgt tntgatgatg ttgacccaat 300
 ttgttggggg gtgaagtata cntatggaac tgattgtcac aatacaagaa gancaacatc 360
 ancaacannc aatgaataag aagnangaca cttaagatt ggtcgtnaag ctnccaancc 420
 aagggaaaaa aaatttggcc n 441

<210> 1770
 <211> 480
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-081-Q1-E2-C2

<400> 1770

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aagaacccaaa gctccaccac tcacaagtca ccaatcttgt tgcttaaaga gacaacatgg 120
 ggaacaagaa atctgcagac agataaggcg tgaaagattc tgacgagtta aaacgtgtga 180
 agtgggtttt tgggtacgta tcctctgcac cagcttttta gctgtatata gtggactact 240
 ttttaagtatt atatatgcta ctgcaaattt caaaaagtta aagaagaaaa gaggtcactt 300
 tcttcttctc tctgtgtgga atgaaaagcc aaagtcgtca tggtcattga tggacaatga 360
 ttatcttttt tggctgagtg tggatggtga aatcaaaaag gcaaa 405

<210> 1773
 <211> 393
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-081-Q1-E2-C6
 <400> 1773

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 gccaaagtatg cgcaatgctg ctcaagtggg tcacgataca ttgccaaagcc cttctgtttc 120
 agctttctatg aagacgcaca aaccaaacca gccaatcct tctcaaccat tcgctagtgc 180
 ttcaccttct tttcatcctc aagctgatcc cactcaccg tttgcttcat cgacagctaa 240
 acgaggacct gttcctattg tcaagggcaa aaaaacacaa accagttttt cctggctcgt 300
 cttccacaaa acatgcccc aaccatcctt cagatcaacc tccacgagga caagtcatga 360
 acagattacc atctgttctt gccagttcaa gtg 393

<210> 1774
 <211> 386
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-081-Q1-E2-D10
 <400> 1774

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 tgaattagcc atggattctt ctaccacctt gaatgctgct gagtctagcg ctggtgatgg 120
 agctggacct cggagtaaaa atgctttgaa gaaggaacag aaaatgaagc agaaagagga 180
 agagaagaga cgaaaggacg aagagaaagc tgaaaaggct aaacaagcac ctaaagcaag 240

ctcccagaag gcagtggcag cagatgatga agagatggat gcancgcaat actatgagaa 300
cagattgaaa tatcttgcgg ctgagaangc taaaggggag aatccatata ctcacaagtt 360
cgctgtgtca atgtcgantc cctaaa 386

<210> 1775
<211> 471
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-081-Q1-E2-D3
<400> 1775

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntanccca cgggaaacga tttcttcgcc 120
gattcaaaga cttttcttcc taagcttttt aacagatccg gtgaaaattt caaaatccga 180
agaattctct aaagctaggg tttcttaatt cacgagacgg aggtgatata attccccccc 240
gtcgtagcta tgatgatttc gagaggtttg tttggttggt ctccgccgca tatacaaccg 300
ttaactcctg tttctgaagt ttccgagcct cctgagtctc catctcctta ccttgatcct 360
ggtgctgagc acggtggtac aggaacagcg gcgcaagcgg atgatgagga ggaaatggag 420
gagccggagg agatggagcc tcctcctgct gctgttcctt tctctcagct a 471

<210> 1776
<211> 347
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-081-Q1-E2-D5
<400> 1776

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agcctcccct ggacctcacg actctgataa cgcatttaga gagttcatag agcttatgaa 120
gagatcgaac caaagctcct gatcaatgag aagtactctt tgtttttgta cgttgctggt 180
tttaatcatg gcacttaaat taaaaccaac tgttttgta gtgataatgg attggcatta 240
ttgtttcttt gctttgactg tattgagcaa ccatccaacc tnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngg

347

<210> 1777
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-081-Q1-E2-D7

<400> 1777

ttgcatatct tcatcttctt cttgagatga agttgaagtt gtcacatc tccatgaatc 60
ataagaatgt gcttctcatc aagctcatct ccgctattct gatctctttt ttcgcgttcc 120
gtctcttcat tctccactcc agcgagtttt ctccaatctt tgcgtcggtc accggaaaat 180
tcgaagctcg gtttctgccg ccggagatta tcgtaccgga aaatgaagat ctgattcctc 240
aagatattga agtagagaag tgtgatcttt tcgccgaaa atggatccca gattcagtag 300
gaccaatcta cacaacaaa tcatgcggat cactcattga cggtcaccaa aattgtatca 360
ccaatggccg gcttgactta gattttctct actggaaatg ggaaactcat gactg 415

<210> 1778
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-081-Q1-E2-D8

<400> 1778

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acttggttg aaccacccaa attgtgacct gaccaagact caagaccaag gctctaccct 120
aagaatcttc cacatagaca gcccttgctc ccccttcaaa tcatcatccc cactctcatg 180
ggaagcgcgt gtgctccaga cgctggctca agaccaggcc cgtctccagt acctgagcag 240
cctcgtcgcc gggagatctg tagtcccat tgctcaggg cgtcaaatgt tgcaaagcac 300
tacatacatt gtcaaggctt tgatcggtac tccggctcaa gccgctgctc ctagccatgg 360
acacgaagca gtgacgtggc ttggattcct tgctccggct gcgtttggct gtctt 415

<210> 1779

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-081-Q1-E2-B6
 <400> 1781

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ttctttgagc tttccctttg agctctcaca cgagcggctt cttttgtcat ctcacctttt 120
ccttcattct ttcttccttc aaattctggg ttttttcaca gatcgttttc tcagattttg 180
actctttttg gtgttggtgt tgttcttctc cttcgtgaag tggaagaaga atataacaaa 240
actgggtttt ttatatctgg aattctgaag aaattcttca cggatttgat ctgtttaaac 300
tataaaagtc ttgattttta taaatcagct aaaaataaga cacggttttag ggtttatggg 360
ttgactagaa acaacaatac tgaaatgggt tgtgaggttt caaagttang tgc 413

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<210> 1782
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-081-Q1-E2-E12
 <400> 1782

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tcgaacttca caattttcttg gtcgatccaa acttcgatca gttcataaac ctcataagag 120
gagatcatca aaccattgac gaaaaccag ttcttgattt cgatcttggg ccattacaaa 180
acagcccctg tttcatagac gagaaccagt tcatcccaac acctgtcgat gacctcttcg 240
acgaattgcc tgacttagac tccaacgttg ctgaatcatt ccgtagcttc gacggtgata 300
gtgttagagc cgggtggtgaa naagatgaag aagattacaa cgacggtgat gantcttcaa 360
ccactactac gaataatgat ggggaccggt t 391

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<210> 1783
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-080-Q1-E2-B11

<400> 1783

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tgttctgttc ttcaaacgat tctaagatga atggagaaga agtgaaaacg agtcaacctc 120

agaagaagct tcagaaccct actccacggt taaacgagag gattctctca tctttgtcta 180

agagatcggc tgctgcacat ccatggcatg atcttgaaat cggacctgga gctccagtga 240

ttttcaatgt ggttattgag atctcaaagg ggagcaaagt caaatatgaa cttgacaaaa 300

aaacaggtct catcaagggt gataggattc tttattcttc ggttgtgttc ctcacaacta 360

cggggtttgt cccacgcaca catgtgaaga caatgaccct attngatgtt ttanttacca 420

agccaggnac ctgggcc 437

<210> 1784

<211> 376

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-080-Q1-E2-B3

<400> 1784

aaccatttt ctctgatcga ttaggccacg acgtttcctg aggtgcaggg cagagtcgc 60

tcaatctctc tcttcttctt cttcttttca cgaattttct ccgaaacttg gtttttattc 120

ctcaaacca taaattaggg ttcagttttt aagcctccgt cttcttcttc ttccgtcgtc 180

gtagtcgaaa ggtggtttta gctatatgga tatcttctac tgcaaatact cttcaaaacg 240

gatgctttga agccttgata ctaatttcat gcgttctata tatgtgcac gtaaggaagt 300

aatgggagag aatcgtcaga ttaaattacg ttcttgggaa taaaatggca aactaaaaga 360

tgcattncaa atggca 376

<210> 1785

<211> 470

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-080-Q1-E2-B4

<400> 1785

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 cgacttctgg atctcctccg aggcagctac atcatcatca acatcagatg aagaagcttc 180
 ctccgttgta tcctaggagt caagggcttt ttggtaattt gacttcgtct cagtcgtcgt 240
 tgggtttttg tgcctggaga tcgttttccg tggctgattt tccgaggtgt tttccggcga 300
 cggcgagtgg gattgggttt aatgactcgt aggaaatgat gataacaatt gttttgttaa 360
 atttttatat tttgaaagtt agtaacaacc acatccggga gaatgtatgt tgtanaaaaa 420
 nannttcaaa acctttggaa tgggttaanc aaaatctttt ttttcaaaa 470

<210> 1786
 <211> 373
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-080-Q1-E2-B5

<400> 1786
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 gctttagaat gcttagaaat tcgggttttgt ctttatcttg gtatggatga ctatgaagcg 180
 gctcttcgtg atattcaggc tgctcttacg ctgtgtcctg attatagaat gttcgatggg 240
 aaagtagctg ggaggcagct ccagacgctt gtgtatgagc atgtcgagaa ttggacaacc 300
 gcagattgtt ggatgcagct atatgagaaa tggctaatg ttgatgatat angttcccct 360
 tccnggtaac caa 373

<210> 1787
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-080-Q1-E2-B9

<400> 1787
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gtcgtggtgat aaaatgcggg aaggaagtaa gaaagcaaca ctgcagctgg ttgacatgga 120
gtgcagttac ctactgttg atttcttcag gaaacttccc caggatgttg agaaggggtg 180
taacccca cactccattt tgcaccgcta caacgattcc tatctcagac gaatcggatc 240
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catcgtatac tgccaagtcc gagaagcgaa gcgcagtctc ctgcaccatt tctttgcgga 360
gctcggatcc atggatatga agaggctctc gtcgctattg aacgaagatn caacaatcat 420
ggagaaacca n 431

<210> 1788
<211> 406
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-080-Q1-E2-C2
<400> 1788

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tttatgtgaa gctcttcaat tgaagaaaga agaagaaaag acaatcgtca aatgcttgac 180
tttggtttca gttcttcttc acgacagctc aaggaagatc ggctctttga tgggatggga 240
caccaagaaa tcaccatggg tttatgatgc tatcaattac tagtagtacg tgttatcttc 300
tgaatatata tcatggcatc ctctggactg ggaaatggag tangcacttc gagatntgcc 360
aaaggggttaa agaaccctc canntccggt caattgggtn gaccaa 406

<210> 1789
<211> 459
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-080-Q1-E2-C3
<400> 1789

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gcaggtctat cagtatgtga tgtgggtcat caagattccg agcagaaact agagaatact 120

gctcacgagg caaaaaacac aatggctagc actgatttcc tggcacagct ttcaacttct 180
cttttcgaag aagacatgga accgttcatg gaagtagatg gcaaagaagt tgacaagtca 240
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tttcctaacc ccaccgagca agaaccttcc attgcaccaa ctcattccagg agagggaacc 360
ctggatgatc atgtgatgct tgagctagat ggtacaatcg ctttanattc tcaacctgaa 420
aatggtgggg gggggtancc ggccggttaa ttaancgaa 459

<210> 1790
<211> 465
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-080-Q1-E2-D1
<400> 1790

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tttttgctcc ttcaagatga tctcatggca cgacctctac acggctctca ccgcctgat 180
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acccgaccaa tgctccgga tcaaccgttt tgctgccatc ttccgcgtcc ctctctctc 300
ttttcacttc atctccacca acaatcctta cgcaatgaat ctccggttca tcgcgcgca 360
cactctccaa aaaatcatca tgttgctact tttagtccta agggctaatt tcantcgctc 420
cgggtaaccc ccaattgnnc naccaaaatc cttttcctcn ccaaa 465

<210> 1791
<211> 443
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-080-Q1-E2-D11
<400> 1791

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tcattctcnc tctacttct catcttcac ancaccgtct aaagattcaa ccttttgtaa 120

ctgcttccaa tggcggttagc tcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnntaat ttcagaacaa ctcatctgaa tttcggttct 240
 caaaggagga tttacacaat caatcctctc cttagatcct ttaaatagcct tcaatcatct 300
 tcaagagacg taaatgcgtc acctnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
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 ccttgacaga gcaattgatt gan 443

<210> 1792
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-080-Q1-E2-D3
 <400> 1792

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 aagacgagga agaaagagaa tgatgttggt agcaaaggaa gaatcggaag aggaagagga 180
 agaggagagg tttcgaagcg atctattgaa atagacattt ctaatcccga gaaggatatt 240
 aagcctgacg gaagcagaaa gtgtttgggt tcgacgtgtc atcattgtaa gatcttgacg 300
 agtgagagtg atcttatctt ccgttcaaag tgtaacaaag aaatgttaat gcctttgacc 360
 ggcattccagn aattcgtatc nagaaggaac cccatgagga atttag 406

<210> 1793
 <211> 377
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-080-Q1-E2-D5
 <400> 1793

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 cttattacaa ttgctctttc cctaacgaca agtgcactct aagtgttcca ttatttgga 180

<210> 1798
 <211> 340
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-080-Q1-E1-B9

<400> 1798

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 aaacttcccc aggatgttga gaaggggtgt aacccacac actccatttt cgaccgctac 180
 aacgattcct atctcagacg aatcggatcc aatgttttgt cttacgtgaa catgggtctgt 240
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<210> 1799
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 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-080-Q1-E1-C2

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 tcttcaattg aagaaagaag aagaaaagac aatcgtcaaa tgcttgactt tggtttcagt 180
 tcttcttcac gacagctcaa ggaagatcgg ctctttgatg ggatgggaca ccaagaaatc 240
 accatggggtt tatgatgcta tcaattacta agtagtacgt gttatcttct gaatatatat 300
 catggcatcc tctggactgg gaaatggagt aggacttcc gaagatctgc caaanggtta 360
 aaagagct 368

<210> 1800
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

ccacatgtct ccggcgataa aatccccgtc gttgttttct tccaagggg ggggttcnct 360
tccc 364

<210> 1809
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-080-Q1-E2-A2

<400> 1809

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ttcatcgatt tgagcaagtg atcttggaag gctcttgagt tctgaattcc ttgtaagcaa 180
tcatggcagg gaaaagagaa aactttgtga ggggtgatga tttggactct aggttaccat 240
catcatctgt agccttccaa cagaactacg cctccaattt cagtggacaa cttcatccta 300
ttcatgcaag caatgaaact tctagatcct tcaagaaagg tatccagaag ggttccaaag 360
ggcttaagtc gatcggacgt tcacttgggt tcngtgttta nccaacaatg ttcccaaa 418

<210> 1810
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-080-Q1-E2-A4

<400> 1810

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gggatgcaac cagtttcttg atgaattcgc ttacacttg tagaaatcag aattctgact 180
tttgggagag ccataattgt ttaggttctt ccaaggcaat aaaaccacag ctgagttcag 240
aatcagaaaag cagttacagt ggatgttcat tggcaatgtc tgatgattta gtaagtaaaa 300
aaagtgtaat attgtagcat tcaccaagtc agctatgcng ggtgtgtnac ncaaccgggg 360
aactnannnc tcccccaang gggaccaggt tttctaagtt ccaaaaanaa 409

<213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 1813

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aagcctttga agaaaggcaa gagagagcct gaagatgata ttgacaccaa agtgagtctt 180
aagaagcaga agaaagacgt gattgctgct gtccagaagg aaaaagctgt gaagaagggt 240
cctaanaagg ttgagagctc tgatgattca ngattctgaa tctgaggaag aggagaaggc 300
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<210> 1814
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-080-Q1-E2-A9
 <400> 1814

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ttctcgctct ctcttcaaaa ccgcaaatac agggaaacgag agacgagaga gagagatgag 180
taaacggaat ccgaagattc tgaagatttt tctgtatatg ttactttctca actctctctt 240
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tcatatatac cacgtttcag tgaataacca atcggcgatt cagaaaccgt gggccgatct 360
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<210> 1815
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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gccatcttat tggcttttagc atcttcattt gtatcttggt acgacccaag tcctcttcag 180
gacttttgtg ttgccgtcga tgacgctagt ggtgttttcg tgaatggaaa attctgcaaa 240
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acaataaacc gcgttggtc caacgttaca aacgttaacg ttgacaaaat ccctgggact 360
caacaccctc ggagtgtctc ttgtccgaat tgactttgcc ccgggangtc aaaaccgccc 420
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ggttt 485

<210> 1818
<211> 442
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-079-Q1-E1-H11
<400> 1818

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catcgcttgg agaatgtaaa aacaagaang gagagtgtgt gcctttacat gtaaagggtg 180
ggaaccagaa cttggttctg ggaactctat cgactgagaa catccctcag cttttctgtg 240
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ttgttgata caaaactccc aacattgagc cacaaggcta ttctnaggaa gaanaggaa 360
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ctgcagaagt gaagccagct gt 442

<210> 1819
<211> 480
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-079-Q1-E1-H3

<223> Clone ID: LIB22-079-Q1-E1-H5

<400> 1821

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tttttccac tttgcatctg ttttgaggat gccagctacg gattttcaag gatcatttgg 120
aaggtcgttg ctaagtttac ggcgagacca agttgactca tcaacagtcg tctccggaag 180
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cggaaagctt cttgattctt tcctctgttg tcaagaagag tttcgagcta tcgtattcaa 360
ccaccgatnt caaga 375

<210> 1822

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-079-Q1-E1-H6

<400> 1822

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gccccaatct agttcaaatt gtccgtaaac aagttgccat cgccctgaag gccgagatac 120
ggatggctgc ttctctcatt cgtcttcatt tccacgactg ctttgtaat ggggtgtgatg 180
cgtcgttatt gttggatgga gctgacagcg agaaactcgc gatcccaaac attaactctg 240
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gttgtttctt gtgctgatat cctcactttg ggccgctcgt gactccgttg tattgantgg 360
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<210> 1823

<211> 391

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-080-Q1-E1-A1

<400> 1823

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acctccgatt tcgtcgtgga tcaatcccgt gatctctggg ttcccgattg tacantcnac 300
atgtctccgg gngataaaat cccccgtcgt tgttttcttc cacggcgggt ggtttcgctt 360
ttccttcagt ccgaantggc gttagccttt a 391

<210> 1824

<211> 415

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-080-Q1-E1-A2

<400> 1824

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tttcttcata gatttgagca agtgatcttg gaaggctctt gagttctgaa ttccttgtaa 120
gcaatcatgg cagggaaaag agaaaacttt gtgagggtgg atgatttgga ctctagggtta 180
ccatcatcat ctgtagcctt ccaacagaac tacgcctcca atttcagtgg acaacttcat 240
cctattcatg caagcaatga aacttctaaa tncctnaana aaggatatcca caagggttcc 300
aaaagggtt aaagtccatn ggacgttcac ttgggttcen gtggttaacc aagcaatggt 360
nccaaaaaga ccttaaaagt atcngaaang aagatatttg attcctcaag gatna 415

<210> 1825

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-080-Q1-E1-A4

<400> 1825

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 agacagcttc ggtttcggct ccantcgcgt cgtcgcttcg caatcagacg aaccgatcta 300
 agagtttctc ctcggtcttc ngctcctttc gagtttgctc tgcttcacg cggtggancc 360
 atggtgggag ctggggatcg cctgctagcc ttcgcgctca agctaggaat tccactccgg 420
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<210> 1828
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-079-Q1-E1-G2
 <400> 1828

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 agctttgaag atctgcttat cgagatggat cggatactac gccagaagg atttgtcata 180
 attcgtgaca caactgacaa tattagctat atcaagaagt atctgacatt attgaaatgg 240
 gataaatggt ccacagagac aactccaaaa ggtgacctc tgctgaccaa agacgagata 300
 gttttgatcg ccagaaagaa actttggagc ttgcccgcca tttcaagtgt cctgaaatct 360
 aacagtcaac aggcgaaatga atgagattta caagcatcaa gaaggcgctg anctgaagga 420
 aaatac 426

<210> 1829
 <211> 359
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 1829

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 gtttaaacga gaggattctc tcactcttctg cnaagagatc ggttgctgca catccatggc 180

atgatcttga aatcggacct ggagctccag tgattttcaa tgtggttatt gagatctcaa 240
 aggggagcaa agtcaaatat gaacttgaca aaaaaacagg tctcatcaag gttgatanga 300
 ttctttattc ttcggttgtg tanccctcac aantaacggg gtttgtccca cggcacacn 359

<210> 1830
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 1830

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 natgggaaga gatcggacgg gtggtgtctg atgaggcaag agctatgtac aatggtggcg 180
 tggccggtct gacatattgg agtccgaatg tgaatatctt gagggaccgc cggtggggcc 240
 gaggccaaga aactcccga gaagatccta tcgttgccgc aaaatatgcc cgccaagcta 300
 cgtccggggg aattcaaggt actgctgccg gtaaccgcct taaagtcncc gcatgttgca 360
 aacattacac tgcttaanga tcctgataan tggaaagggg tcaaccgttt ccaacttnaa 420
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<210> 1831
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-078-Q1-E1-D3
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 cagattcatc agctccactt gaatttaaag tagccataac tggtcgatca taggatggaa 180
 gaagcaactc aagtaacgag ttctgaggtc cctgtagtga aaggatgatgt tgatgacctt 240
 aagacagctg atatttccgt caaggctgtg aatggagaag tgccaaagga ggagaaagaa 300
 gaggaagatg gggaattcat aaaagttgag aaggaagctt ttgatgccaa aggatgatgc 360

ggagaaagca gatcatgttc ctgttgaaga gcaaaaggaa gttattgaaa gaagctcgag 420
 tggttcacia gagagaacta catgaatcac aagaaaaa 458

<210> 1832
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-078-Q1-E1-D4

<400> 1832

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 agagaggcct attcttggcc gtttctcttc tcacctcaag atcgggaattg ttgggttacc 180
 aaatgttggg aaatctactc ttttcaacac tcttaciaag ctttcaattc cagctgagaa 240
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 cgattggcct tgccaaactt acaagcctaa gaggagatt ccagctttct tgggaaattc 360
 atgacattgc tgggcttgtt agaggagctc atgaaaggac aagggtcttg gaaacaactt 420
 ccttgtccca ataattccgt gcaagtttga tggg 454

<210> 1833
 <211> 519
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-078-Q1-E1-D5

<400> 1833

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 aaatcttctc cggcgtgtga gcgtttcccc cgtttcccct ttttaacctt tgcaacaat 180
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 tgagattgaa gatattttt acaagtatgg ccgcattgtc natattgaat tgaagggtcc 300
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gaaatgggca aacggtcaaa tcccttatag gacaccttta caagactcta aagggattgg 360
 gngaatctna ntggcttctg ggcgtctctg cggcaganch aatcccgccc gcttcatcgc 420
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<210> 1836
 <211> 470
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 1836

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<210> 1837
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-078-Q1-E1-E2
 <400> 1837

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 ctgaagttca agaaggatgt gatgtttctg actggttcaa cattctggtg cttcatcaaa 180
 atagggtgaa atcaaaccac aaaaatgcaa taagtga gca ctttcttcca cgtttcctcg 240

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aatggggctc cacatcacac aaccaggatc ttcctgtggc aacatcactt atttgatggg 360
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<210> 1838
<211> 465
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-078-Q1-E1-E4
<400> 1838

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naagattaag gaggggattg ccccgattna tgacatctcc tcgaaggtaa caggttaatc 420
caacaaaggg ttggnccctn ganggtgtcc ncaatcaact tgggt 465

<210> 1839
<211> 465
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 1839

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cgaaatgtgg agcatgaaca cgagaaagga aatctcggta aggttaaaaag atgatccaaa 240
cgtattancc tctcggattc ccgctctgca gaagaaatgg gacgacattt gtcaaagaat 300

tccttctcta gaggaatagg cgagaaattg agattaataa aaaggggtgt tttttgggtt 360
 cccctccggtt tgtataaaag cctgccgctt cttaagggtt ctttggnaat tcccaaagtg 420
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<210> 1842
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-078-Q1-E1-F10
 <400> 1842

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 caacctctct gtcgctaaag acgtcggaaa agcctttggg atcctggctg gccttgcctc 240
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 tgggtgtacaa tggctcggtt ttagccgcac catccaacca atcccttatt ggcagatgtg 360
 tatattcttc tgtatgggag ggaacagcac aacgtggatg aacacggcgg ttctagtgc 420
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<210> 1843
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-078-Q1-E1-D11
 <400> 1843

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 tactgaagag gtcattggtg atattctctg agctacaacg gaggacgtgg atgttgctgt 180
 caacgtgct cgaagagcat tatcaaggaa taaagggaaa gattgggcca aagcacctgg 240
 nagctgttcg tgctaagtat ttacgtgcta ttgtgctaa ggtaaagaa agaaagacgg 300

atctggcaaa anctcgaggc gcttgattgt ggtaaaccat ttggattgaa gcagtatggg 360
 atatggatgt tttgcnggat gttttggaat ttaagctgac cttcctgaag gattagatnc 420
 taagcagaaa ngcaccagtc cccgctttcc aa 452

<210> 1844
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 1844

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 tggatatgga gcaacactac ttgatggtgt ggtggttgag aaacatgcca tggttgctgc 360
 tggttctctt gtgaaacana acacgcgaat cccttctgga gangtgtggg gaagaaatcc 420
 aacaangttc atganaaagt taacagatga aagagatagt atacatctca can 473

<210> 1845
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-078-Q1-E1-A2
 <400> 1845

tctctttgct tcgattccca aaacgactat ttccaaaagg gtttaaagaa gttatgaaca 60
 ctaatccagt gactaatggg tttgttaaac ctgttcctac tgaagaagaa caagcaaaga 120
 ttgaggaagt gaggaagcta ttaggtccat taccggagaa gctttcgagt ttttgttccn 180
 atgatgcagt tttaaggat ctaagggcaa ggaattggca tgtcangaaa gctactaana 240
 tgcttaanga aactttgaaa tggagagttc aatacaaacc tgaggagatt tgttgggagg 300

aantagctgg tgaaccancn gacaggggaag atatatagat cgantttgtg tcgaataaac 360
 ttggaccgac ctgttctcat tatganaccg antgttngag aattctaaaa tccgggtgaa 420
 caangcc 427

<210> 1846
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-078-Q1-E1-B1
 <400> 1846

atcttaacac caatcccaaa tcagaaaaat caaaactttt tattttattt tatcaaaatg 60
 gcgcttatga atggaagcat gaatctatca tcggtcaaat catcgatgat caaccaccgt 120
 caaccaaact tctcctccgc cgtctccaga ccacttctt tccggatctc cgccgtgcaa 180
 accgacccaa aaacaccagc tgcttcatcg gcgtcggcgg cgacgacgac tccggcaacg 240
 ttgacgaagc ccgttggagt taatgtgggt aaaggaaaat gggcaccaga gagttggagg 300
 acgaagaaag ctttacagca accggactat ccagatttag ctgcgcttga agctgtgcta 360
 gagacgatcg aagcttttcc tccgatcgtg ttcgccggag aagctagatt gcttgaggaa 420
 cgattaggac aagcagcgat gggt 444

<210> 1847
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-078-Q1-E1-B10
 <400> 1847

acgcgtccgc ctgtctgttc actggaggtg aattttgatt tttttggccg atcggatttg 60
 agtttttgaa tctctgattg ctgacgaaaa tgccggcggt ttacgganga aagcttacga 120
 ccttcgagga cgatgagaan gagagcnagt atggttacgt tcgtaagggt tcaggctcctg 180
 ttgttggtgc cnatggatat gccgggtgctg ctatgtatga ttagtgctg gttgggtcatg 240
 ataatttgat tggngaaatc atccgtcttg aagganattc tgccaccatc caagtttacn 300

aggaaacagc tggattgaca gttaatgatn ccgttcttcg aacacacaag ccacttttctg 360
 tggagctcgg gccaaaggaat attgggaaat atctttgatg gaattcagag gcctttgaag 420
 actattgcaa gaatatccgg tgatgtgtac attcctncgg gtgttgt 467

<210> 1848
 <211> 481
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-078-Q1-E1-B6
 <400> 1848

acgcgtccgc tttnaatcat ttcttcgaga gaggtagcga gaaagggatc gccttttctc 60
 actctctgcg gattctcaat tttgggcaag aaggcaagaa cagtttttat cgcaattgag 120
 tcttgaagac cacaaggatt tgatcacatt ggtgcttctg cctgtttatc tgagtttgag 180
 gacaagaact tctggggcgt ttataatttg ccatggctag taatgagaat ctaccacca 240
 atgttatcaa gcagcttgcc aaggagctga aanagtcttg acgaatcccc tccaagatgg 300
 catcaagggt gtggtaaattg accaagattt ctacaaaata tgtgctgata attgaangga 360
 ccanttgggt actccctaatt gaaaaacggg cctttcccggt aangaaagt tggccttgct 420
 aacatnaatt tccaacaatt ccgccccccc aaaagggcta ctttcaatga cnaaagaatt 480
 t 481

<210> 1849
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-078-Q1-E1-B7
 <400> 1849

acgcgtccga atgccttctc caagtcagtt tctttctca ttcaacagtt tctcttcttc 60
 ttctctgct taaacgaaac cctcaaagaa ataaaaaaaa gctctcaaga atggcgaaca 120
 aaccaagaac cagatggggt cttccttaca agacaaaaaa cggtgaagac aattactttc 180
 ttggtcaagt ccttggacaa ggccaattcg gaaccacttt cctctgtacc cataaacaga 240

tgaccaacat catcatccac ggtgttaaca tccatgactg taaaagaaag gggaatgctt 300
acgttagaga ctctccgtcg cattatgggt ggaggacagc gtctgacggt gacgccgtct 360
cgatttttgg tggctccac gttgtgggta gaccattgct cgttgtccaa ctgcgctgac 420
ggtctgatac acgccaattc atgggatcaa cgggccaatt actatcctct aataactaat 480
ttngtccacc acaaataang tcatg 505

<210> 1854
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-078-Q1-E1-C5

<400> 1854

acaacaaatc tcaggcgggt caacactatc ctcttctaca ttttccaacg atggcctcaa 60
acgcactctc gtctttcacc gccgctaate ccgctctgtc tcctaagcca ctactccctc 120
acgggntctg cttctccgtc ggtttctctc ggcttctcca ngaaagtgg cggcggcaga 180
gcagtggctg ttgcagcggc tacgagtggc cacaacaac atgccgatga ccggagtcgt 240
gttcagcct ttcgaagang tgaacaanag ccgatctggc cattccaatc acatctcatg 300
cctctctcgc tcgccaaagg tttgccgacg ctancgaang gcagttcatt aatgagcana 360
tcaaattggtg ggaatacaac cgtcncccta atgtgttacc aantcaantg gtacngcatt 420
acctttggcc aggagan 437

<210> 1855
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-078-Q1-E1-C6

<400> 1855

gttngcctgt tcgtaccggc ccggaattcc cngtgcgacc cacgcgtccg cccacgcgtc 60
cgctatggaa tcccaaaca cgtttaagta tgaaagtctt gcgttcacaa agttgtctca 120
ctgtcaatgg actgattact tcctctctgt tcccatcgat gaatcggaac tagatgttat 180

tacaagagag attgacatac tcaagccgga agttatggag ctcctatctt cccaggggtga 240
 cgatgagaca tcgaagagga aagtgccttt gattcaattg cttcttaant cttggnncgc 300
 catttcattt tgaaaatgag atcaananta tactagaaca tgcttttcga aagatagatg 360
 anatanctgg gtgatgaaaa nggacntgtc tacaatctcc atcatgttcc gttgtcctta 420
 agaacatacg ggnccacaatt taccatcaaa gttaagacaa ttgtttaatc cgggtggcaac 480
 aantctaaga atgtnttaac atttattt 508

<210> 1856
 <211> 506
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-078-Q1-E1-D10

<400> 1856
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 atatgagtcc ttcccaagcc caacttttct gaaattgaat cttttgggac agagatggca 120
 ttaattcaga aaccagtggg gtgcanagac actaataaga tcttcatgaa gcaaatactt 180
 gcgtttactg aacaggtgac cattacacag aacagtaagc tctcgccacg cacatggcac 240
 aaggaagtga taaacggact aacttgtagt ctctttcccc ctgtcaagaa ttagcaaadc 300
 atccttcttt tacatgttct gaancacatc taagatagaa ttgaggcaca nangtcnagc 360
 gatgtgtccc atgancaaca ngaaaaaaaa ganacttccc antgaatctg ntaaacnaaa 420
 gtcgcaaagc aaactctgtt cacnanggag gagatngngg ccacgccacc tatgggaaga 480
 catggaatct ggggctaaaa tttcnc 506

<210> 1857
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-078-Q1-E1-A10

<400> 1857
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cactagtggg gttatctctc tgtgtggaat aaaaagcaag gttttttaat cacttggatt 120
gttttaagat atggcaactt tgaacccttt tgatttggtg gatgatgatg ctgaggatcc 180
aagccagctc gctggttgcca tcgagaagat tgataagtcc aagaaatctg ggacagggtt 240
cgagcttgcc tgctaagtca gctcctaagc ttccatcgaa gccacttcct cctgctcaag 300
ccgtgagaaa agcaaaggag tgatgcctcc acgtggtggt gganggcctt ngaggattta 360
aaccgttggt cnttggtggg ttacaaaccg tgatgattgg taacaatggn tantcaaggg 420
gggatacaac taaaaccctc aaggtgaaag gagaatgttt caaa 464

<210> 1858
<211> 461
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-077-Q1-E1-A2
<400> 1858

acgcgtccga tcgaatcggt tattttgggt ttcgtttagt ttctcttctt cgagctgggtg 60
tttctcaact agttagagag tttctcgatt ggtcagagct gcttttattg aattttcttt 120
ggatttcgtg cttatagatc ttgaaaagt ctgagaatcc tgttttggtg ttactgcttc 180
aagttattgg aagaaattag ggtttcgatc caattttaga attgactcaa ggaattccga 240
tattgggggt ttgttgtagt tctgattctc agtgaataag atagaaagat aatcacggga 300
atcgaagggtg gaaacgatgt tcaagatttt gggattcctg agctcttgca ancttccccg 360
ggtttgcct cctgtaacca cctaaaagaa aaanccctca ataattgggt ggaacnaact 420
ccttctncca nttggcnttt caacttcccg gaaaactggn c 461

<210> 1859
<211> 488
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-077-Q1-E1-A3
<400> 1859

accctgccgg tancggtcca aaattcncgg gtcgacncac gcgtccgctt atttctctg 60

tcttccttcg ctccctctt ctctcaccac aatccnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnagc tctttatcac cattgtctcc 180
 tttcttctct atgtccatt gttcttatct tcaccagttc ctgaccctga atctgtcgtt 240
 gaagaagttc acaagagcat taatgcgtcg gttgcaggaa gaaggaagtt aggttacctc 300
 tcatgtacga ccggtaaccc aatcgacgac tgttggcgtt gtgaccctca ctgggagcaa 360
 caccgtcaac gtctcgtga ctgcgccatt ggattcggca aaaacgccat cgggtgggccg 420
 tgacggtcgg gattcacgtg gtcacccgac tcaaggaaaa cgacaacccc aagttaagcc 480
 ccaaagcc 488

<210> 1860
 <211> 461
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-077-Q1-E1-B10

<400> 1860
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 tccctaacga acaacattaa tcattcattc tctgtgtga gctcttctc ttcttctggt 120
 taaggttctt tctccttctt cntttgaggg ggtttaaagc ttcagtggac gaaaagagtt 180
 tgttttttgg gtgacaatgg gaggagtgg gcatcttagc acggcgaagt tagctagagg 240
 tttcntaagt gtgtttatgt ctttgggggt tttttcncgc tatcatacgc cgcaagggtcc 300
 ggcgtatcaa agcagaagtt tgaantgnaa caaacatttg ancagggctg aancaaanct 360
 gctgtcaaaa agcattcana gttcagatgg tgatgntgag ntgacngngt tccaatctca 420
 annncaacca accnntttga tcancccggt tcttcaaaag a 461

<210> 1861
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-077-Q1-E1-B12

<400> 1861

gtgttggtggg tttcaagcta acgggaaagt taagagatgg aatgacagct actgatttgg 60
tcttaacagt gactcanatg ttgaggaaac atggagtagt .tggaaagttt gttgaattcc 120
acggggaagg gatgagagaa ttgtcttttag ctgaccgtgc tacaattgcc aatatgtctc 180
ctgagtacgg tgcgaccatg ggattcttcc cagtcgatca tgtcactttg cagtatctaa 240
ngttgacang canganatg gacactgtct ccatgataga ggcgtattta ccaacaaaanc 300
acgatgtttt gtgggattac agttgagccg gngaagtacg acaanttaat tcctcangtc 360
tggganttaa tctccnaagg ttnttggaac ctngtgtttc ctgggccccca agangg 416

<210> 1862
<211> 503
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-077-Q1-E1-B4
<400> 1862

gttacgcctg ccggtaccgg tccaaaattc acggganaca ttcaccacca agnccgtgat 60
ggcctgatct gcttctctct cctccttact tcttgtttcc atcttggttt caaatttctt 120
caaagattcc gatcatcttc acgtcggagt acacaatctg aaaccgatca tcatcatcat 180
caattgggggt ttttaatccc tagaatcagt agaaaatata gatcattgag cttcgattct 240
ggctctccgtt tgattgtttc ggacaatcag agctttgagt ctccgaaaag gttgggttatg 300
tcatcttctg ttccaaactc ggaacggaaa gattgttact ggtcccgcg gtttaatttcc 360
tttgaagacg ttctcaatt ctcccgacga ctttcctga tcatccctan aatatccaaa 420
tccattaaca aaggacaatg caagccttaa ctnggnttg ttaaagcaag taattttggt 480
cnaatgaagga tggacacngg ttc 503

<210> 1863
<211> 430
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-077-Q1-E1-B7
<400> 1863

gatcctgtac aagaacatTTT ccctcaggtt cagatcgctt gaagttaaAC aaaaaaatgc 60
tccggtcact tcttctccga cgctccgtcg gccattctct cggaacccta tctcctcttc 120
atccaccatc cgttcctcat tttcgctca tctgactctc tgcaccaccg gtcaaacatt 180
gacaccacca ccgcccgcac cgccacgtcc tccacctccg cctccggcca ccgcctcaga 240
agctcaattc cgtaaatacg ccggatacgc agcactcgct atcttctctg gagttgctac 300
ctattttctca tttccattcc ctgagaatgc tnaacacaag aagggtcaaa tcntccggtt 360
acgctccttt acctgaaaga tcntcanacn gtctctantt ggantgggta ctcatgaggg 420
tanagaccaa 430

<210> 1864
<211> 438
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB22-077-Q1-E1-C4
<400> 1864

acgcgtccgg gcagcaatgc ttggtcagcc catgagcatg gtgttacctg gcgtggtcgg 60
gtttaagttg gatggaaagt tgaaggaagg ggttactgct actgatttag ttctcactgt 120
gacccaaata ttgaggaagc atggtgttgt cggcaagttt gttgaatttt atggtgaggg 180
gatgagtgaa ctttctactgg ctgatagagc cacaattgca aatatgtctc ccgagtatgg 240
agcaactatg ggtttcttcc cagtggatca tgttacactg gactacctga agttgacagg 300
aagaagcgat gaaactgtgt caatgataga atcatatttg cgcgcaaaca atatgtttgt 360
tgactacaac gagcctcagc aagaaagaca tacacatctt atctcagtta gatttggggac 420
atgttgaacc atgtattt 438

<210> 1865
<211> 441
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-077-Q1-E1-D9
<400> 1865

ctaaataaaaa acaaaaaagct aactgaataa gaagaagtag tgatgcatat cacaaaacca 60
cacgccgcca tgttttccag tcccggaatg ggccatgtca tcccggatgat cgagcttgga 120
aagcgtctct cgcctaacaa cggttccac gtcaccgtct tcgtcctcga aaccgacgca 180
gcctccgctc aatccaagtt cctaaactca accggcgctc acatcgtcaa acttccatcg 240
ccggacattt atggtttagt ggaccccgac gaccatgtag tgaccangat cggagtcatt 300
acgcgtgcag cagttccagc cctccgatcc aangatcgct gccaaaggcat cagaaagcca 360
gcggtctctga tcgntnnctt gtttggcnca gatgcgttag gtctccncaa aaggnattna 420
gcatgttgag ttatgtgttt a 441

<210> 1866
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-077-Q1-E1-E2

<400> 1866

cgacctaaac aacaacaacg actccggcga gtgtatgtat ctttcacttt ctactaacc 60
aaccagacga caaaagaaaa ttattcatct tagctaagct cgattagttt ctggcgga 120
cggttttgtg gntaattgtt agcatattcc gatcttgccc tccccgaga gagagagtcn 180
nnnnnnnnnn nnnnnnnnnn ntctcttacg aagctacgtg tgacctaaac ttctccagat 240
tggtgtttan agcctcttct tagatttacg anttggtgag cttgtgaaga tttcttggt 300
gaattagnn tctccgttcg anatnnagat gaatantaat aancnata gnnngnagat 360
tttccaccg ggggattggg tggnggcggg gtnctggtc cccgggtccg aacgtttcag 420
nc 422

<210> 1867
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-077-Q1-E1-E4

<400> 1867

gttacgcctg cnggtaccgg tcnanaattc acgggtcgac ccacgcgtcc gctccgggcg 60
 acaaaaacac agcgagcgac tgacgaaaat taaacacttc gccgtcacag acactctctc 120
 tatatatata atctccggcg atggagagtt tcgctcttca ctctctctcc accaccgcca 180
 cttccacctt actctcncat catcatcatc accatccctc acgtctctct cttctccgctc 240
 gtacctcttc gagatctccg ccttcaacaa tctccctccg atctctctcc gttcaacctc 300
 tctccttccc tcttttcaaa ccaattcttc gattctccac acgaatcgcc gccgcaccgc 360
 anagacaacg gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnaang 420
 aggggaaaact catccctctg attctctcaa tctccgctcg gctaatectn cggntttcgc 480
 tggttcctgt aa 492

<210> 1868
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-077-Q1-E1-E7

<400> 1868
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 tttctgatat tatttgtttc ctttctcgat cgattctttg cgtaaaaacc tgtttctggt 180
 ctgtttcaga atctgtctct cttattactc tgttctgttt tgtctgtctt aataaagttt 240
 ctttctctct ttaaagacaa attcatagtt ccagtttccg aacttctcag cncctntgtc 300
 ggattctctg atgaagtcan nagatctctg tttggaacta tcnaatttct canccgctct 360
 taantttent tnttagnttc aagttcaccc ggagatctcn a 401

<210> 1869
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-077-Q1-E1-F5
 <400> 1869

tgcttcaaac attctggaaa agtttaagga tgtggtcagc tggcttaaag aaaataaggg 360
aaagggggag aatttatccc ctgaatcccg tggagcagaa aataaantta gtgggctg 418

<210> 1880
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-074-Q1-E1-H6

<400> 1880

gaatcaacca aaaacatctc cgactccgcc gccacactgg atgcggtatc caccaacggt 60
gataatccct catcagatga tgtacgcgcc gccgccgttc ccaccttatc atcagtatcc 120
gaatcaccac caccttcacc atcaatctcg tggtaataag catcaaaacg cttttaatgg 180
tgagaataaa accatatggg ttggtgattt gcatcactgg atggatgagg cttatcttaa 240
ttcttctttt gcttccggcg acgagagaga gattgtttcg gtgaagggtga ttcgtaataa 300
gaacaatggt ttatcaagaa ggatatggat ttgtggagtt tgagtcccat gatgtanctg 360
ataaggtttt gcgggagttt aacgggggaan actatgcaa ntactggacc aaacc 415

<210> 1881
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-074-Q1-E1-H8

<400> 1881

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accttaagaa aacgttacia atggctgttg aagcaagaca catgaatctc ttctcttctc 120
aatacattac caacagagaa tgtgttaa atctcaaagaa tatgaacaac ggacaacaaa 180
tcgccggcgg tggttttccg gtaacaatcg gtgatcggaa tttacagtac atagatccga 240
ttaacagctt caacaaatca gaaagcgagc tcacaagcta tttcaaaacg tcagaagaga 300
ttcaacgttt gattcagacg ctttaatecg atctcangaa acgcagangc aatccgcgtt 360
ttctccggcg tcattaatcg acgcagagtt agtttcacag gatncaacag cnaaaacnca 420

ngaaatcgaa ttggaatncg ta

442

<210> 1882
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-075-Q1-E1-A4

<400> 1882

gaaagctgga gttggnatca gtaccatttg atatccgttc aatattggat gatgtccttt 60
ctctattctc tgaggagtca aggaacaaaa gcattgagct cgcggttttc gtttcagaca 120
aagtaccaag agatagtcaa aggagattca gggagattta gacagataat cataaacctt 180
gttggaatt cggttaaatt cacagagaaa ggacatatct ttgttaaagt ccatcttgcg 240
gaacaatcaa aagatgaatc tgaaccgaaa aatgcattga atggtggagt gtctgaagaa 300
atgatcgttg tttccaaaca agtcaagtta caacacattg agcggttaca agctgctgat 360
ggtcggaata gctgggattc attcaagcat ttgggtctct gang 404

<210> 1883
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-075-Q1-E1-B5

<400> 1883

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gatgaaattg atcaagcacc cgaatgtcat tcgtatgttt gaggtgatgg ctagcaaaac 120
taagatctac ttcgttttgg aattcgtcac tgggtggggag cttttcgata aaatttcaag 180
caatgggaga ttgaaggaag atgaggcgag gaagtatttc caacagctga ttaatgcggt 240
tgattattgt catagcaggg gagtttatca tanagacctt aagccagaaa atttgctttt 300
ggatgctaata ggtgctttga aagtgtctga ctttgattg agcgtcttac ctgagcaagt 360
tcgagaggat gggttacttc acacaacctg tggaacaacc c 401

<210> 1884

<223> unsure at all n locations
 <223> Clone ID: LIB22-075-Q1-E1-C1

<400> 1886

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 ttgccattgc cactgtttcg gtggttatag ctcaagtccc tccggagaaa caattcagag 120
 tcgtcaacga aggagaattc ggtgaatata tcaactgagta cgacncaagt tacagattca 180
 tcgaatcatc aaaccangag cttcttcaca tcaccattcc agctcttggt ttacaacact 240
 acccctagcg cctacatctt agctctccga gtcggactca aggcgtgacg agtctacat 300
 gcgttggata tggggacgcg aatcgcaaca aaccgctctg gggaaaacgc tacactctca 360
 ctcngcccg taacgggaan ctccgtctc cgctgaagcc tgnccgacga gtcnaatggg 420
 gagactaac 429

<210> 1887
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-075-Q1-E1-C3

<400> 1887

acggcttcac ttctaactgg tgcggtccta atgtttgtaa ctacacaggc gtgttttggtg 60
 caccggctct agataaccct tatgtcttaa ccgtcgctgg tatagacttg aaccatgcta 120
 atatcgccgg ttatctccct ttagagcttg gtctcttaac cgatcttgcc ttgttccata 180
 tcaattccaa ccgttttcaa ggtcaacttc ccaaaactct aaaatgtctc catcttctcc 240
 atgagcttga cgtcagcaac aataaactct ccggcgaagt ttccttccgt aatcttctct 300
 ttgccttcc tgaagtttct cnacattang gttcaatgag ttccaagggt gatgttcccta 360
 gccaaactct tgacctaaac ctccaagctc tcttcantaa cgacaacaaa ttccangttt 420
 a 421

<210> 1888
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-074-Q1-E1-B6

 <400> 1888

 acncgtccgc ccacgcgtcc gcggacgcgt gggggagtct cttatgttgg gtgaagaacg 60
 cagacgcgga aactacacca gagacgtaga cgcgacgca gatgaagggtg ttaactctcc 120
 ctcttctttt ccaaactccc ctgatgattc ggaccgtcgc agttcttctt cttcttcaag 180
 gagaggattg tcgaaacatt acaaaggtaa atcacaatcg ttcacaacgt tggcagaagc 240
 gctaactgtg gaagatctcg cgaagcctga gaatccattc aacgcaaagc tgaagcagcg 300
 acgaagagag ccctcactgt cgtagattat caggatgcgg cggcgcatcg agcgaaattt 360
 aagtgttcaa cgacnttttt tctcgctggg ggaacgatng aac 403

<210> 1889
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-074-Q1-E1-B8

 <400> 1889

 tcagtgaaca aatttggtcta tggctttttc tgcaccatca ctttccaaat tctctctttt 60
 ggttgccatt tcagcatcag ctctcctctg ttgtgctttt gcccgatgatt tctccattgt 120
 tggatacacg ccggagcatt tgacaaacac tgacaagctt ctagagctct tcgagtcatg 180
 gatgtcagaa cacagcaagg cttacaaaag cgtggaggag aaggtgcaca ggtttgaggt 240
 tttcagagag aatctgatgc atatagacca gaggaacaat gagatcaaca gttactggct 300
 cggtttgaac gagtttgagg atttgaccca tgaagagttc aaaggaagat atctaggact 360
 tgcaaagcca caattctcta gaaagagaca gncctcagct aacttc 406

<210> 1890
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-074-Q1-E1-B9

 <400> 1890

ttgtaaaattt tttcccaatc tatggaagtg cctagtgaac ccacgaattt agccgatctc 120
 cggcgaccat tgggtggttcc ggttgtctcg gagcgtaaac ctccggcaga cgtcggactc 180
 ggactagaga gtgttttaac ggagcgtagc cttccgtacc ggaggcgcgt gtacttaggg 240
 gcatgcatag agatgaagct acttttccgg ttggcacttc cggcgatact tgtctattta 300
 agtcaacagc ggaatgggta tttccgctcg gatcttcgcc ggacatctcg gtaaaaatga 360
 gctcgccgcc gcgtccatcg gaaacagctg gctcant 397

<210> 1893
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-074-Q1-E1-C7
 <400> 1893

caactagttt tgtttttctt ctttcaaaaa tgcatttctc ttcgtcttca acatcgcca 60
 cttggacaat cttaatcaca ttgggatgtc ttatgcttca tgcattcttg tccgctgctc 120
 aactcacccc taccttctac gataggatcat gtctaatgt cactaacatc gtacgagaaa 180
 ccattgtaaa tgagttaagg tcggaccctc gtatcgctgc gagcatcctt cgtcttcact 240
 tccacgactg ctttggttaat ggttgtgacg catccatctt gttagacaac acgacatcat 300
 ttccaacaga gaaagatgcy tttggaaacg caaatcggc tcggggattt ccagtgattg 360
 anagaatgaa agctgcggtg gagaaggcat ggccaagaaa cgttttt 407

<210> 1894
 <211> 332
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-074-Q1-E1-C8
 <400> 1894

agatgaacat gcatcgtgat aacattagat ggttacaata tctcaccaa cttggaagtg 60
 acacaaatta tacattacta ctagttagta ctagttagat tgaattcttc tctctttctt 120
 cttctctaata gccgtaaatt gtaagctaac tcttcccaca tantgectcg attctcgctt 180

ttgctctctc tctcttttct cgcacaatga ataggaatct cagagaatct cttgccggtg 240
 ggaggaatat tccggcgatc tctcaagttt cgtagaggca ataacaacaa cagcaacaan 300
 atctctcaaa atggcttctc tagaagattc cn 332

<210> 1895
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-074-Q1-E1-C9
 <400> 1895

cgccangtaa tatcaagaag tcccgggtcg acccagcgnnt ccgcccacgc gtccgcacca 60
 ccaacaacaa caactccact aaaaaattca tagctctaca agagtcacct catagagaag 120
 tgaagagaca gagatagttg tgacagagag attcatggcg gaagcttgcg gagtgagaag 180
 gatgaagctg ggaagccaag gccttgaggt atctgcgcaa ggccttggtt gcatgggcct 240
 ctccgctttc tacggtgctc ccaagccgga aaatgaagcc atcgctctca tccaccacgc 300
 tattcactcc ggcgttactc tccttgacac ctccgatatc tacggccctg agaccaatga 360
 agttctctc gggaaaggct ctcaaggatg gggtagaga aaaagtggaa cttgcgacca 420
 aatttggnat caagttatca g 441

<210> 1896
 <211> 390
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-074-Q1-E1-D5
 <400> 1896

ctttaatgga aggaccttga cacttctctc tctcttttctc tttgctattc atcttctaca 60
 gtttcttaaa aattatacnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncag gatttggtttt ttccggttga 180
 ggtaaagcag ctttgagtt aaagaaacct tgagtatcca atgtccccgg aagaggagct 240
 acagagcaat gtatcggtgg ctaagttctt cacctactag caattgcac tccaggaaca 300

ctctaggagg acttaaagag cataactact tgggtctctc tgattgttct tctgttgga 360
gctctactcg ctctccccctt gctgaagatg 390

<210> 1897
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-074-Q1-E1-E1

<400> 1897

aaacaaanaa aaaaaaagat cagacaaaat aaatcattgt caatcgacga ttcanaagct 60
taatcgtcta gaatcaacat aattcttcga ttgtacactc tgattggcta cttgttagat 120
ctaagaagag gccaaagtatt atttcgtact aacattatca tggaggagac ttctattgaa 180
gcanacactg tggagaagtc ccaaaccata taaaaggctt cacgtcagca agatcggtga 240
atgatattcg tgccgccatc gtctcaagaa taaactgact attttctaaa aaggttatcg 300
ccaanattaa gtatttacga attanaattg ataaggaang tcactaggaa ggagctgtgg 360
aaaaganaat tgtggatttg ggcanaaatc tgggg 395

<210> 1898
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-074-Q1-E1-E10

<400> 1898

caagaatgcc cgggncgacn cagantccg cccacgcgtc cgcaaagcct ggatcaatca 60
tcattctcat caatttccag attcagattc caaatctccg aagcttaacg aaaacaatgg 120
cggcagaacc taacngntaa gaatttcctt gtctctctt atgtcttggc tcgtctccct 180
tctttcaccg ccaannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nngatgttct cgcttcaatg acaagtgcga tctctgacgt cgccgagact cgatctatcc 360
ntcgaaccct aggacctaga ccagatnacg antcagtcga taaggctcgt gctaannctc 420

ncggaaatcg aatcggtcgt atctgaaat

449

<210> 1899
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-074-Q1-E1-E11
 <400> 1899

caagaatncc cgggtcgacc cacgaatccg gatgttctgt gcagtgataa aacaggtact 60
 ctcacgctca acaagctttc tgtggataag aatctgatcg aggtttttaa gaggggcatc 120
 gacagagata tggcngtgct tatggctgca agagctgcac gtttagagaa ccaagatgct 180
 attgatactg caattgtttc gatgttgtca gaccgcgaaag aggcacgtgc cgggattaaa 240
 gaactccatt ttcttccatt cagtccagct aatagaagaa ctgcactaac gtacctagac 300
 ggacgaaggc aaaatgcacc gagtgagcaa aggcgcgcct gaagagattt tggatatggc 360
 ccacaacaaa ttagaaatca aggagaaagt acatgctaca atncgacaaa tttgcagaac 420
 gtggcctaag atcgcttggg ttgg 444

<210> 1900
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-074-Q1-E1-E3
 <400> 1900

ctgtttacgc cttccagtag cctccgaaat tccanggtcn acccacgcgt ccgcggacgc 60
 gtgggattta ngttttcata ttacttgaca aacctgatga gctactcgac aagcaagtct 120
 cagagcatat tatgtcgctt cattctgcaa gtggagaaac atcacctgca ctaaagaagt 180
 ttaaaccaac atcacagaat gctgggtatg caaacatgca tgcagaaggg aattctctac 240
 tttcaagact gcggttggac tctgagaaag atgacgactt ttctccggtt cctggccaat 300
 tgcttaggaa atatatttcc tatgcacgga attttgtcaa tcctaagatg tcaaaggatg 360
 ctggagaaga tcatacagaa gttttacttg aagctgagag accataacac atctgctgat 420

tccacaccaa taacagcaag acaactggaa agtttggtta ggcttgctca aac 473

<210> 1901
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-074-Q1-E1-E4
 <400> 1901

caggaatcaa aggattcttg ccttgagggtt gtttaccgga tgtactggct gtgttatcat 60
 atccacacat acaagaagac gcagggtgtct ctgggtaatg gaatatcgat ggggtggagggt 120
 gcagcattga tgggtccctat gaagttttca gttgtgacag agaaaactgt ttttgcgact 180
 ccagaagcaa gtttcggggtt tcacactgat tgcgggttct cctacatcca ttcacgtctt 240
 cctgggtcatt tangagaggtt cttggcttta actggggcaa gattgaacgg caaagaactt 300
 gtagcaattg gaatggcaac acattttgta cttcttggtta aattgatgga tctggaggga 360
 cggtttgtga gtttaagact caagagangc ggatgtatcc aatccacaat tgaa 414

<210> 1902
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-074-Q1-E1-F1
 <400> 1902

gaancaacct ttggatgtgt ttgttcgagt ttcgagggtt gtggctagtc cgaggaggaa 60
 agcgggttgag ttgttgctga gaggaggagg tgttgaggga ttgatcgatg aggcgggttga 120
 agaagagatc aagattgtct ctaagtatcc agctgatgct tctttaccgg atataaacga 180
 aggggtttat ggaagtgatg agtttaggat gtatagcttt aagggttaagc catgttctag 240
 ggcttattct catgattgga ccgagtgtgc ttttgttcat ccgggagaaa atgcgangag 300
 gagagatccg aggaagtatc cttacacttg tgtccctgt cccgagttcc cgtaaaagga 360
 tcatgcccc aaggagaat tcttgccgan tatgcctcac ngggttttcc a 411

<210> 1903
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB22-074-Q1-E1-B5

<400> 1903

 taaatgaaat aatacaaagg gatctttatg taaaggcgct accaattagt ggaaataatg 60
 gagcaagcca ctacactctt catattgctt tccactctcc tcctcgccgt ctccgttgag 120
 tctcctcagc caccgctatt tcccgatgaa gctctcccca ctaaactctgg ctacctcccc 180
 gttaaaccgg caccgggctc gtccatgttc tatgccttct acgaagccca agagccaacc 240
 acacctcttc ctgacactcc gctcctcggt tgggtccaag gtgggcccagg ctgctcttca 300
 atgattggca actttttacga gctcgggtccc tggcgtgtag tttcacgcgc cacagacctc 360
 gaagcgcaaa cccggcgcat ggaaacgtct aatcggacn 399

<210> 1904
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB22-073-Q1-E1-F1

<400> 1904

 cgttacgccg ccgttaccgg tgccanaatt cccgggacga cccacgcgct cggttcctct 60
 aatgtggact aaacacttgt tgcagccatc cctcctttac ccgtgaatca naagcttatt 120
 caggacaatg cactaggtgt gaggaatgct gcacaaagaa agcttctcga tgagcttggt 180
 attgtagctg aagatgtacc agtcgatgag ttactccct tgggacgtat gctgtacaag 240
 gctccttctg atggcaaagt gggagagcat gaacttgatt acttgctctt catcgtgcga 300
 gacgtgaagg ttcaacaaaa cccagatgaa gtagctgaga tcaacgtatg tgaagccggg 360
 aanagctgaa ngagctgggt aagaaagcac atgcangtga ngaacggttg aaactgtcac 420
 caatnggtca aaaatngggg ggggg 445

<210> 1905
 <211> 392

<212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-073-Q1-E1-F3

<400> 1905

acgcgtccgt atctatgcag atgccgatgt gcgtctagcg agaangataa aacgcgatac 60
 tgttgagaag ggcagagata ttgccactgt tcttgaccag tactcaaagt ttgtgaagcc 120
 agcatttgag gatttcatac tcccaacaaa gaaatagca gatataataa ttccccgagg 180
 tggtgataac catgttgcta ttgatttgat tgtgcaacac atccatacga agctcgggtca 240
 acatgatctc tgtaaaattt atccaaatct ttatgttatt caatcaactt ttcagatacg 300
 tggatgcac actctaatec gcgactctaa aacaacaaag catgancntt ancttccant 360
 ccnatngant gaaacctttg gggcccttna ca 392

<210> 1906
 <211> 368
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-073-Q1-E1-F5

<400> 1906

acgcgtgggc ggacgcgtgg gtcttaagag gtgatcctcc tcatgggtcaa gataagtttg 60
 ttcagggtga aggtgggtttt gattgtgctt tggatcttgt taatcacatt cgtagcaagt 120
 atggtgatta ctttggtatc actgtcgtcg gttatcctga ggcgcatcct gatgttattg 180
 gtgagaatgg tcttgcgctc aatgaagctt atcagagtga tcttgagtat ctgaagaaaa 240
 agattgatgc tggagctgat ctgattgtta ctcagctttt ctatgatact gatataattcc 300
 tcaagtttgt gaatgattgt cggcaaattg ggattanttg tccatttgtt cctggaagta 360
 agcccnaa 368

<210> 1907
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-073-Q1-E1-H4

<400> 1907

agattaccgc ggtccgacgc atgcagnaaa ttatcatgttc ntcttcctcn tccgattcat 60

agtttttttt ttttccggta acttgtcadc aattagatct cgtccgaagt tgaatcttta 120

gttcgcgagc ttttggacaa cttcgaggtc ttagctttgc aatgaaattg tacgaacacg 180

atggagttga tttagaagat ggggaagacag tanaatccgg aggagataaa ccaattccaa 240

gaaagataca taaccgggct ttgttatccg gtttagctta ttgcatttca tcatgcagta 300

tgatacttgt caacaagttt gttctctcca agctacaact tcaatgctgg ggatnttctt 360

tangttataa ccanaacttt gncnccgggg atcaattggn ggttgggggtt cangtttaaa 420

aggggccaaa aaccaangg aacc 444

<210> 1908

<211> 399

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-073-Q1-E1-H6

<400> 1908

ggtaccggtc ataaattccc gggncgaccc acgcgtcnaa gtgactcttc tctctctgta 60

tattactctt ccttcactat ctctctctct ttactgggtc ttcttcagct tctgagtctt 120

ctctctcttc tctatctctc aagtgggctt tgctttgctg tttttgtctt ccttcgacga 180

ctcacttttg cagattctca taaattcttc aaagctttga gtcttttttc agattcgagg 240

gtcgggtttta tatatgcttc aaatctctta cccaaatcag gtatgganac tctgcatcca 300

ttctctcacc tacctatctc tgaccaccgg ttcgttgctc aaganatggt gagcttacac 360

aagctcnagt ancggtaagt ggactaaaga agagaacaa 399

<210> 1909

<211> 472

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-073-Q1-E1-H8

<400> 1911

ggtcgaccca cgnatccgga acaacacaga gcagagaaaa aaaagaggta gcnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

aaggtctcaa ctttgcttac aacaatggct ttaatccacc gacggactta tccatccaag 180

ggatcacaac cgtcacaccc aacgggtctct tgaagctaac caacacaacc gttcagaaaa 240

ccggtcacgc cttctatacc aaaccgatcc ggtttaaaga ttctccaaac ggcaccgttt 300

catccttctc gacatcgttc gtcttcgcta ttcactctca gatcgcgatt ctgagcggtc 360

atggcatagc ttctgctgct gctcctaacg caagccttcc ttacggcaac ccaagtcaan 420

acatagg 427

<210> 1912

<211> 408

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-074-Q1-E1-A3

<400> 1912

acgcgtccgc accaccaaca acaacaactc cactaaaaaa ttcatagctc tacaagagtc 60

acctcataga gaagtgaaga gacagagata gttgtgacag agagattcat ggcggaagct 120

tgcgaggatga gaaggatgaa gctgggaagc caaggccttg aggtatctgc gcaaggcctt 180

ggttgcatgg gcctctccgc tttctacggg gctcccaagc cggaataatga agccatcgct 240

ctcatccacc acgctattca ctccggcggt actctccttg acacctccga tatctacggc 300

cctgagacca atgaagttct cctcggaag gctctcaagg atgggggtgag agaaaaagtg 360

gnacttgcca ccaaaanttg ggaatcagtt atcanaaggg gaaaaaagg 408

<210> 1913

<211> 372

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-074-Q1-E1-A7

<400> 1913

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agctcgaaac ttaattttaga atcatacctt tttctggatt tggctgacga atccgttttc 120
aattgcacga gttgcttcgc caggttttatc aacttaagaa tgtctaatta tcaaggggat 180
gatgctgagt acatggaaga tgtggatgat gaaatggatg aggatgattt agatgaggat 240
tttctggtggg atgatatggn tgcctctgat tccgatgtcg atgagtttga ctactctaata 300
aataagaata gctgacactt cagctgacca agcccggaaa gggaaagaca tccaggggat 360
tccttgggac an 372

<210> 1914
<211> 464
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-074-Q1-E1-B10
<400> 1914

tcttgncccg ccaggtacan atcaagaatn cccgggncga cccacgaatc cgcccacgcg 60
tccggaaaga cagagataat gacgagagtt ggccagaaga gattccccgg cnanagaaga 120
accnccgccg gcaactaaaa aacgattttt gnctccggga anattcgtga caatcttgtg 180
tancattaac ttgataantt acnttgatcg aggagtgatc gcgagtaatg gtgttaatgg 240
aagctcaaaa gtatgtgatg ccaaaggggt ttgctctgca ggaactggaa ttcagggaga 300
gtttaactta actaactttg aagatgggtt tttgtcatct gcgtttatgg ttggacttct 360
tgtggcttct ccaatattcg ctggattgtc aaaaagattc aaccctttta aactaatcgg 420
tgttggatta actgtttgga ctattgctgg ttaatcggtt ggcg 464

<210> 1915
<211> 403
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-074-Q1-E1-B11
<400> 1915

gggctcacta ctctctttca tttcctcttt tcgttgactt actaaagtac tcttgtttca 60

atcttcattc tagagagatt ctgtttcatg gatgnnattt tgccagtacc cgttgatggg 120
 ttcagattcg acaccggttc tggatcttgt tgcaaaccga ggaacaatct tgaatctggg 180
 acgaccaatc gtttcaacttg tttcaacgaa tctgaatctc angagcaacc cttctccgac 240
 cgagtctaag gtatgttcag attaccttcc tgtctttaag tacatcaatg acatgttgat 300
 ggaanaagat cttgaaggtc agtcttgtat gttggaagac agtttggctt taaaagccg 360
 cagagagatc tttcttcgaa gtgctcaaga tcaaaactcca atc 403

<210> 1916
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-074-Q1-E1-B12
 <400> 1916

aatncccggg tcgaccacg natccgcgga cgcgtgggct aagttgctgt cacacttgtg 60
 ctttatgcaa aagggaaata caaggatgga aatttttagcc ctgatcaatc ctatctctat 120
 cttaccatca nngatacaat atcatacact gtagctctgt acgcgctggg cctcttttat 180
 gtggcatgca aagatctgct tcagccattc aatccagtcc caaaatttgt gattataang 240
 tctgttgtct ttctaaccta ttggcagggt gttctagttt tcctttttgc taaatctgga 300
 tttataangg atgaagaata agcagccctc ttccaaaatt tnataatatg tgtngaaatg 360
 cttattgctg canctgctca tttctatgca tttccgtaca aangaatntg cacaaggcca 420
 atgttgggag ganct 435

<210> 1917
 <211> 383
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-074-Q1-E1-B2
 <400> 1917

taagacgccc aatgctcctg ccaaaaccaa aaccggtgca ggcatgccat gttctctctg 60
 tcctcatccc acatgccaac actctgtcag aaaccaagga gtctgcgctt gtccagagtg 120

ttcattactt ggctggattg ttattgtcat cactaagcct ccttcacacc ttcgtggtct 300
cattcntggg tggttgctg ctgggaaatt ggggaatatg ccactgatta ataatcccag 360
ctgtttggta na 372

<210> 1920
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-070-Q1-E1-C4

<400> 1920

cgntacgcca ccgggtcatcg nancccggt ccgacccacg cgtccngcca ctgccacagc 60
atcagtaggt gtagctgtta gtgataatgg agtaagcacg aatgtggtgc agcatgaagc 120
tacggcagac tctgaggata cagatgctgg ttcgccccaa agaacagatg agagtgaggc 180
aatgagtga gatgtgaaca aaacaccct aagggtgac tcggatggtg aagatgatga 240
atcagatgca gaacatcccg ggaaagtctc cattggtaag aagctttgga ctttcttgac 300
gacgtagccc aatctttgat cagagaatgt agctaattt cttctgttga caatattagt 360
gttttgcttc ttgatcttta gtagctactt aggagggtt gtgttaattt cgtttggata 420
ttttttcacc acaatgtaat gttttcttc caaccttcca acacttaant 470

<210> 1921
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-070-Q1-E1-C7

<400> 1921

ntcggtagcg aacacgaatt cncgggncga cccacgcgtc cncggacgcg tgggcggacg 60
cgtgggctcg agagactgga ttgttgcttt aacaatccag agatccgtct ctatttcccc 120
aatgcttca aactgaatca agaagccaga gatctcatca tgcacacttg tatagatgcg 180
atgtttccan gtacacaagt gcctgcctgc ttcattcatc gagctacttc tggggattcc 240
ttgaaaatca agttgaacga gtcgcctctt cctacaacct tgagatttaa ggcttgtatc 300

gttcggcttc gagacggaga tttagccgtc aattttgact gagaagcgtc gtctccggta 420
gga 423

<210> 1926
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-070-Q1-E1-D7

<400> 1926

ccgntcggta ccgaacacan attcncgggn cgaccacgc gtcngtaca aactggcaca 60
agttctgagg atgacttgag gatcaagttt gaggagctca aaggaaagtt ttatggattg 120
gctgaacaga atgaaatgct ggagcagtc ttgatggaaa ggaatacttt ggttcagaga 180
tgggaaaaac tcctggaaaa tattgatatc cctccacagc tacactccat ggaagtggaa 240
aacaagattg aatggcttgc aagtacaatt acagaggcta cacatgaccg ggataatctc 300
caacagaaga ttgataacct tgaagtctat tgtcaatcag taactactga tttggaagtc 360
tcacaaaagc aagtangtga tgtcgaggga aatcttcaat catgtgttag tgagaggggtg 420
aatctttctg aaaggctggg aaaagtttga ttggtgatca tgaaaa 466

<210> 1927
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-070-Q1-E1-D9

<400> 1927

acgctgccag tgccngtcaa aattaagggt cgacncacgc gtccgcagag atttttatag 60
tttggtttct ttgaccggag aatctcgatt aggttacgat ggtgtttctc tcgattccaa 120
acgggaagac tttatcgatc gacgtgaacc ctaattcaac caccatctcc gccttcgaac 180
aattggccca ccaacgtagt gatgttcac aatctttcct tcgttactct ctccgtatgc 240
gaaaccctag ccgcgtgttt gtagattcaa aggattccga ttcgatctta ttgtccgatc 300
tcggtgtttc tcgtttctct actgtgatta tccatgtcct gcttttgggt ggtatgcaag 360

cggtccgcc gaagcctcgt cttgatttcc tcaattctaa gcctccgtca aattatgtag 420
 cgggtttggg tcgtggtgct actgggttta ctactccatc 460

<210> 1928
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-070-Q1-E1-E1
 <400> 1928

ntattttcca gggacctgca gagaacaaac tctgttgctg ttaccgtgaa caatcttctc 60
 cagatgtgat gatagtttgt gtnaaatata ctaagcactt ccatttcaac cttaggtata 120
 gattaatgat tggggacata tccttatccg taagttttac acaccacca acattccaag 180
 cttcacccgc tgtagatata aggcactgtg tatcactttt tgctatatag aagaagaggc 240
 tctagtgtat agcttctgtt cattgctctc ttgcgaaaat aagttcggat atttacataa 300
 ggtgatgatg ccctgggtgg tctgggagat atcttggtgc agtctgacct tggctccaat 360
 ctgaaggga gagtaaccac tctttgcaac ctgctcnttt ggctgctggc cacctctcct 420
 gt 422

<210> 1929
 <211> 506
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-070-Q1-E1-E12
 <400> 1929

ctgtttaagt tgnccggtgc ccggtccana aattaacggg gtccgaggcc cgcgttccga 60
 tacacctnga ttcngttagc aancctgggc cnaaanngna ctnagcttng gcctnanttn 120
 cnaatggatg gttgatectn cgcgttttag ttttggggca agccaagaag aatttggatt 180
 ccgttcaggg atggggagcc tttgcgttgg gtcacaaaca acctaagcaa atggatatat 240
 ctgcaagcca acaagagaag acaagctggc ggggtgggatt agacacgctc accctgaaca 300
 gtctatatga cgatggagcc ttgagagcag cccaacagcc tgcctatggc gtcccagctt 360

5044330"14366666

ccaatccggt tgagggtccaa gacctgtttg cattttcaga cagtgtttca cgccttcag 420
ccgtnaaciaa ccatttcggt ctctaagagc caacctatca tcaacaagag caagcaagcc 480
acaagctaca ngttgcaccc aacct 506

<210> 1930
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-070-Q1-E1-E3

<400> 1930

cttataaagt ccaaattcttg aagtgcgtgc acggtgcacc acgaatccac gatccagtga 60
gcagcagcaa ctccatctcc ggagctctag attcagataa gaacaatggc gattccgatg 120
cctactcgcc agctattcat cgacggcgaa tggagagaac ccatcttgaa gaagcgaatc 180
ccgatcggtta atccagctac tgaagangtc attggtgata ttcttgcagc tacaacggag 240
gacgtggatg ttgctgtcaa cgctgctcga agagcattat caaggaataa agggaaagat 300
tgggccaaag cacctggagc tgttcgtgct aagtatttac gtgctattgc tgctaaagta 360
aatgaaagaa agacgatctg ggaaaactcg aagcgcttga ttgttggtaa accattgg 418

<210> 1931
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-070-Q1-E1-E4

<400> 1931

tcccgggncg acccagcgt cnaaacact ttatcaagag attcacttag ctcttcaggc 60
gatgatgctt caagcttcaa tgggtcaatg gtctcttcta gcttcgcttc gccttcagac 120
aaaccgaagc ataagtcaat ctctccttac aaattcatat cttctcttat catgaattct 180
cctctgagga aatggagagg aagtgagact aagaacaagc ccaaacctca gcctctaatt 240
caatgcttca cttacaacga gatttcaaag gccacaaatg attttcacca agggaaatata 300
gtaggcatag gaggctactc tgaagtgtac agaggagatt tatgggatgg aagaagaata 360

gcagtgaaga agattagcca aggagaatgg tgacatgaac aanggagaaa gagtttccta 420
cgggacttng gatcataagt c 441

<210> 1932
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-070-Q1-E1-E5

<400> 1932

aaaagcaaag atcaaagtgc acatttgtgg caatctttga atcacagtca tcattgtcat 60
catcaagctc aggggaggta tattcagatg gcacctcttc gtggacttct aattataaca 120
gcgcggagga ggagcatgac aacgacttgg actctgtata aattcaaagg cccccataat 180
tgtctatggg taccagagcg gacgcgtggg atattcctca agtttgtgaa tgattgtcgg 240
caaattggga ttagttgtcc cattgttcct ggaattatgc ctattaataa ctacagaggc 300
tttttgcgta tgactgggtt ccgcaagact aaagatacan ttgaagggtga tggctgcctt 360
gggagcccta tcaagggata accaaagaan ctgttgaaaa gcctaattggg aattcacctt 420
tgga 424

<210> 1933
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-070-Q1-E1-E6

<400> 1933

accgaggcac anattcgccg gncgaccac gcgtcngct tgatccagat tcggttctga 60
ttggagctgc catggaacgc atcatcggcg gnaagtaaaa gctcggacgg aagatcggcg 120
gtggttcggt cggagagatt tttcnancta cgcacgtcaa taccttcgan atcgtagctg 180
ttaanatcga naacagtaan aacaaagcat cctcaacttc tctatgangc taacctatat 240
agaattcttg aaggaggaag tggaattccg cgcataaaat ggtttggagt tgatgggaac 300
aganaatgct ttagngatgg atttgctcgg tccaagtctc gaatatcttt tcgctnactg 360

gaccctaaag gagactagaa atgtctcccg tcgccggcga agggggcaaa aaa 413

<210> 1936
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-070-Q1-E1-A1
 <400> 1936

gacaaagcct ttttctctat atatatatat atatctctct atctttcgcg attttggttt 60
 ttgcttctct ctgtgtgtga gtgattatga tgatgggatt atctttctaa agctttttgt 120
 tttcctgaaa aattaaataaa gaaaactttt atgggttcttc ntctcttctg tgttgagatt 180
 gagagaccaa taaatgctgt tagtaatggg tagttgagat gagaggtaaa aagatcccgt 240
 agtccgagga gtgttttggt tcttgcaaaa ggatagttag gcaaaacatg ggttttggtt 300
 ctcttgctct ctttcattca tcccttttcc attaatgggc tctccctctt ccaacaccaa 360
 cctcttcttt tattaactaa caaacatttt ctgccttttt ctctctctct cactctct 419

<210> 1937
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-070-Q1-E1-A11
 <400> 1937

cgcgtccgnt gctgaattct tcacgatttt ccaactggga ccgctccact tagacggaaa 60
 cacttccaaa gctgcagaca aatgggtgtc tatagacgag tatttgatg gctacttggt 120
 ggaaaggaag aacagatatg ggaaaaacat ggaagtgatc gatgtcggaa tgcaagagat 180
 aaaaacttac ttcaggctct tcttggtgtc ttcagtactt ctgatgttca tgttctgttc 240
 caggatagcg aagagcaagt atagtagaaa ctccatgcct gtcttgccat gaaactaatg 300
 gaggaagctc tcatttaatt aacccttgta agttagtaat tcttttggtt gcgaaacttg 360
 tattctcat tttagaaatg ttgtgtctca tgaaaaagac aacataattc cttggatttg 420
 tgaaanaatc 430

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<210> 1938
 <211> 477
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB22-070-Q1-E1-A3

 <400> 1938

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agtcatacaa gaaacgtgct cacggcggtta agcttcaaga aaccaaccat ggtccctcca 120
accaacaaca agaaccatct ccaacacgca actatcactc ccccttgac ttcaacctac 180
aaaaaccaag ctctctctaa aaagacaggt tgttggttaag acaagagtcc aanagtataa 240
gatttggtcc aaatctaagt aagaagtcaa gagttagtcg gtttgaagaa gaacaagaaa 300
ggattcaaga tttgggcact gagtagaagt acaggaaact ctccaaaagt tgatctttca 360
gataagaact cttctagtga tttggatgtc cttgatgggtt tggatttcgc tttccaatan 420
gcgcaacacg ttcggtttga gaancggttt ttgatcaaaa tcctccggtta attaaaa 477
  
```

<210> 1939
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB22-070-Q1-E1-A5

 <400> 1939

```

aaacagtggc cggccgacgc acgcgncnc agacacactc gcgaaaatgg cggctcactc 60
ttcttgcaac tttgctttga cgaatccgat catctcacia atcgattctt tctctaagaa 120
gaaactatct gttccattat acttcttctc tacaagaaaa gcattgacga atccttggtt 180
aggcggttgtt gattcatccc tctctctcac ttctccagtc tccgctctac aaactaatcg 240
cccaagaaga atccataaat ccgccatctc cagcttacct accggaatc cagatttagt 300
ggtttctgan gcganaaagc ccaaagggtc atggagggca attanatcat ttgcaatggg 360
anagcttgaa gctaggaagc tcangtatcc aantactgga actgaaagca cntctcaang 420
ggtatttttg attgaaggaa cna 443
  
```

<210> 1940
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-070-Q1-E1-A6

<400> 1940

ggtttaactc gaaatttcat tttatggatt cttttgtcat ctctcttcac ggcgattcaa 60
 ctaacgtcgt ctcaacgcaa cactccacca ccacgctcta aagacgccga tctctgcaac 120
 ggcgtgttcg tttcctacac ttacttaacc ggtaccaaga ttaaaccaaa cgacacgaag 180
 aaccagccgt accggttcga atcagagatc acggctctaa acaacggccg cgacgagctt 240
 aaatcgtggc aagtctttgt taaattcgcc caccgcgaga ttcttgtttc agcgaccaac 300
 gctgttctct ctgacggttc tagcctcccg gctagcgttg agaacgggac aatcttcgcc 360
 ggggtttcca tcggcggatt tgaagacggc gatnatgacg gncggcgacg ttactcaa 418

<210> 1941
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-070-Q1-E1-A9

<400> 1941

agntcgtgct aacggttcan agggtcgagn ggcgcgtccg cccacgcntc cgcggacgcg 60
 tggggatcag tttgacgtag tccctccaga gaatgcttct gtaagtcat atgggaagaa 120
 gtctgttgta gaggaacgtg tcaagaagaa gcccacact gtgaagatta gtccttggac 180
 tctagctcgt ctcaatgcag aagaagtttc aaaagcagca gcagaagcaa gaaagaaatc 240
 caaaataatc cagcctgtgg cgagacggga aaatccattt gttggcttag aagcaagcag 300
 cagcttcgga agcagtggcc gtagaatgtt cccaacaaaa tatgaagggtg ttaataataa 360
 cggaagcag cgaaggcaat caaagcgcac acggttacca gcaagaacta cctctagaac 420
 cgctgatgaa tgttcaagac aaaagcaaca atgggggact caacta 466

<210> 1942

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-070-Q1-E1-B4
 <400> 1944

```

ttctctctct tatctcgtct acttgatctc tctactctct ttctctctta gctacttctc 60
tcccttacgt ctccaaggag atagattgac aaattctggt cacaaaggaa aaaagttcct 120
ctgcatacgt ctctctctct atgttcttca tttatatgac ttgaataaca agtaaaggat 180
gaggcagaat ctgaaaaaag tagcacagat caaagtagac gaatctaaga agctatttcc 240
ttatgtcttc cgggttaaaa cttcttggtg gaattgcgct aagagatcga agcctaagct 300
tatctatctt cttatcttct ctcttatctc aagttgcttt gtctttgctc ctgagctcct 360
ctgtttccct taaccctctg ctccggttct tcatcgaatc ctcaanttaa gagaattgaa 420
at 422

```

<210> 1945
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-070-Q1-E1-B6
 <400> 1945

```

ttctangccg tcggtaccga acanaaattc ncggngcgac ccacgcgtcc gntcgtcctc 60
taaattgtcn aaaatgctgg ctangctcgc tgcgaagcgt cttctcgaga tccgtcaagt 120
tttccgtcaa ccaacctctc aggtgactcg tagcttatcg acggccttaa actaccatct 180
ggattctcct gataacaaac ccgatcttcc atgggagttt tcagaggcta accaatctaa 240
ggttaaggag attctctctt actatccatc caattacaag cagtccgcag ttattcctct 300
cctagatctt gcacaacagc agaatggagg ctggctccct gtttcagcaa tgaatgcggt 360
tgctaaagtt atagaagttg cccctatccg tgtttatgag gttgcaacat tttacncaat 420
gttcaacaga gcaaagggtt ggaaaatatc aaccttcnag tttgtggca 469

```

<210> 1946
 <211> 447
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-070-Q1-E1-B7

<400> 1946

ttgccgncgg taccgaacac naattcncgg gncgaccac gcgtccngaa naaactaaaa 60

acaaaaatgg cattgcaaaa gtttctcttc atgggggtgc ttttgctcct aaccatcctc 120

gtctctgtga caacagcggg tgatgatcct gtttgcccgg cgacttccaa gctaagccga 180

gcaagtttcc ctaatggggt tttgtttggc acggctactg ctgcgtttca ggtcgaaggt 240

gcaattaatg aaacttgctg tggaccggct ctatgggata tctactgtag aagaaatcca 300

gagagatgta ntggcgacca cgccgatgtg gccgttgatt tcttccatcg ttataangaa 360

gatattcaag ctaatgaaga atctaagaca cagatgcatt cagactctca atcgcatggg 420

caagaatatt tcctcatggg agaaang 447

<210> 1947

<211> 448

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-070-Q1-E1-B9

<400> 1947

atagggtcga cgnacgcgtc cnaccegnann aagctgttct acacctccaa catgccaatc 60

attctccagt ctgctctcgt ctcaaacctc tacttcatct ctcagcttct ctacaggaaa 120

ttcagtggaa atttctttgt gaacctattg ggacagtgga aagaatcaga gtncagtgga 180

caatctatac canttagtgg tcttgcatat ttgatcacag ctccggcaag ttttgccgat 240

atggnganct catccattcc atgctctgtt ctatatcgtc ttcagtctca ctgcttgtgc 300

cctattctca aaaacatgga ttgaagtctc cgggtcttct gctagagatg tagctaanca 360

ngctaaagga acaacaaatg gtgatgccgg gacacangag agtccaactt aaaaaaggg 420

agctgnaccn ggtacatccc aaaaagcg 448

<210> 1948

<211> 417

<212> DNA

```

<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB22-070-Q1-E1-C1

<400>      1948

aatcgtgagg cctataatTT cccttcatct ccaaaatcat ttctcctcaa atttcttctt   60
tagaagatta aaaatcttct ctctaattct tccactcttt cataaatatt ttcctaattc  120
ttctaccttg gtgtctgatt ctagcaccaa accattttct cctaccaaaa tctggggtttc  180
gatcaatttt aggtcttttg attcctactt gtctaattcg cttgcaattt caaagatgac  240
agttgttggg gatgttgctc caattccaag gaggaacagt tctacttgct ctaatgatat  300
cgctgctccg ttattaccaa gagtgtcatg gagatgaagt tgctcatgat gaattcaatg  360
gagcttcntt tagtggcgcc ggttttaacc tcggccacga ctataantgg gtggctg    417


<210>      1949
<211>      613
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB22-069-Q1-E1-H1

<400>      1949

cgttacttgc cnggcccggg ccanaattaa cgggtcgacg cacgcgtccg gaaaaaacac   60
acacacatct tagagagatg aaagagacta attttggcga agaaaacgcg cgttctggta  120
gttgggtggg cgggatcatt ggggaggagg attgtaaagt gcgtgtttgg ctgagggaca  180
cgagacttat gttctccaag cggccggaga ttggagtggg catcgagaag gtgcagctac  240
ttctttcttt caaaagactc ggcgcacatc ttgtggaagg ctattctcc gatcaccaaa  300
gccttgtctc tgccgtaaag caagtgcacg tggttgtctc cgccatgtcc ggtgtccact  360
tccgcacca caacatcccc gttcagctca agctcgtcgc agccatcaaa gaggccggta  420
acgtcaagcg tttcttacca tcagaatttg gaaggcttac taggaatcat ccacagaant  480
aaacatttgt naaaaatgga atacaaatgc aattaaggcc nccgggattt nccganaaat  540
actcctccgt gccttgTTTT gccc aanac ttcggnngn aaatttacn caaatgggg  600
aaactttggt ncc                                                    613

```

<210> 1950
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-069-Q1-E1-F12

<400> 1950

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accggtcana gaattcccg ggcgaccac gcgtcagaaa gcccaaaacc cagaagaaca   60
aaaaatctct cttttgaaaa ttctcctttt gcaaatcatt caagtgaagc acaannnnnn  120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnagacttt ttgcgtttac ctgaaaaact  180
gttttgatct tttctgataa ctcttctcag atgagaagnn nnnnnnnnnn nnnnnnnnnn  240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngagt atcaagttga tggagcattt  300
gttggnacat atgggataaa ttatggaagg atagctgaca acataccatc tccggagaaa  360
gtagttttac ttctaaagca agctaaaatt cggaatgtgc gtatatacga tgtagatnac  420
actgttcctt gaagctttta agtg                                     444
```

<210> 1951
 <211> 620
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-069-Q1-E1-F5

<400> 1951

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tacaagtcca ngaaattccc gggtcgaccc acngcgtccg aaaaaattga caaacaata   60
taaaatccct atgaacaact ctagagaaga ccagtgggta caacactatg agcaacaaaa  120
tattcaagag attactccgt gcttcaacgc cattaacatc gcgtcatcgt cgggatcttc  180
ccttgagagac ggtggtgccg cggcacatga agctgctgga aggagatcta gggcttcgag  240
gagagccata ccaacaaccc tcctaaacgc aaaccctagc aatttccgag ccctagttca  300
gaaatttacc ggacgttctg ccggaggtga atccaaccgc agaaaagggtc cagtgacttt  360
ggatttcggg tctcccacta caatctccaa agaagctatc tttccaagtc tcaagcgatc  420
gaagtaataa caatcttgat catgtgcaca aactgantac gacacgtcac tgacttggca  480
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ngtacaagaa tcaatgatgt cgtatcaatt taggcnaagg aaactaactc nggcgggtta 540
 aaagcaaccg gggttacnatg attcaagatt tttccgangg gaatacnccc ggggaataag 600
 taacctatga tgaaaagttt 620

<210> 1952
 <211> 605
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-069-Q1-E1-F6
 <400> 1952

ggcgcncggta caaatcatga aattcccggg tcgaccacg gcgtccgaac gaaactagcc 60
 agagagatga cgagcaagat tctagttatc ggagctacag gtctcatcgg aaaagtcctc 120
 gtagaggaaa gcgccaagtc tggccacgcc cactttcgct ctggttagag aagcctctct 180
 ctccgatccc gttaaggccc aactcggtga gagattcaaa gatctcggcg ttaccatact 240
 ctacggaagt ttaagtata aagagagctt agtgaaggcg attaaacaag tcgatgtcgt 300
 gatatcagct gttggtcggt ttcaaactga aattcttaat caaaccaata tcatcgatgc 360
 catcaaagaa tctggaaatg ttaagagatt cttaccgtcg gaatttggtta atgacgtgga 420
 tcgtacggta gccattgagc caacgcnta annacacaaa gccaataagg gtgcattaan 480
 ctgcaagata cttaactatg tcgtccaagg ttgcttgcaa ggcctttggt cncttgtttg 540
 ggtcaatgcc aanttgggaa nccanattnn cccccnaa anacaaaggt ttcaaaccga 600
 atnga 605

<210> 1953
 <211> 626
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-069-Q1-E1-G1
 <400> 1953

gaactgttta cgttgcccg gntcgggtcca aaattaacgg gtcgacgcnc gcgtccgnnn 60
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngaattcga gaaccagatc 120

tactaattac ctgagagaaa aaagatctgc tctgtttgtc ttgaaacaga cagaagtcaa 180
 caaatctttc atttgttttt tagcaaata aagaaatggc cggagggttc gtcagtcaaa 240
 cgccgggtgt tcggaactac aattacaaac tgacaccgaa agtgtttgtg acatgtttca 300
 tcggtgcttt tggtggtctc atcttcggat acgatctcgg gatctcagga ggggtaacct 360
 caatggagcc attcttgga gagttcttcc cttacgtcta caagaagatg aagagcgcac 420
 atgagaacga agtactgtcg atttgatagt cagcttctat cctcactctc ctcaagtggc 480
 gcttggtctt cctcttgctc caacattaca aagttttcgg aaggaaatgg tcnatgttcc 540
 gcggtggnntt caccttcctc aaccggttcc ggctttcaaa gggntttgcc caaanaatc 600
 gcnaaggcct tcccaattgg gcccg 626

<210> 1954
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-069-Q1-E1-G10
 <400> 1954

ctttncgcgg gcaggtaccg gtcanagaat tcccgggncg acccacgcgt cnanccacg 60
 cgtecgannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnna ccaaataatgg 180
 gaacctgctt ctccagctca actaaatcca cggctgagat ctctcccttt gacctcgctg 240
 tcaaacctcc tctctcttcc gccgcgcga ccgnaccanc aacccaacga atccccaccg 300
 cgaaaacaga aacatcgacg gtgagcttca ccgcaacagt gagattatac ggaccaccta 360
 acagtctagt gacgtcgtat ctccgtttcg ctcttctcca caagaaagtt ccgctccggt 420
 tcgttccatc gggaggaaca aaaaccgaag aattcaaggt cgg 463

<210> 1955
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-069-Q1-E1-G12


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<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB22-069-Q1-E1-G4

<400>      1957

tacgttgccc ggnccggtcc aaaataangg gncgaggcac gcgtccggnc cacgcgtccg   60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn  120
nnnnnnnact gtaataaatc taaggaaaca aaaaaacgtt acgaaagaaa aagcattaaa  180
aagaaaagct ttagagagaa aaaaaacaca gtcacaacc tcttttcaat tattcaattt  240
agcttttttc cgatcctggt catcacacng cactgcgtct tctttgccaa gttcttcttc  300
atctttcgtc gttttcttag tgccacccaa agatcttcgt gcaggttcat tggcgtttgt  360
agtacataaa ttttcctga cacacagaaa aagaggattt gactgttata caatgtcaac  420
aaaagtgttg gatcctgcat ttcaaggagc tgggcagaac aggacgaacg ggaatganat  480
ttggggantc ccgtacaaaa gtccggagca tggaaagttc aaangggaag atacttacat  540
tgggcttgca gacaacacaa gaattaaang gggggtgcht aaattggnntt gganataaaa  600
ntttccggga ttngggaaaa g                                                    621

<210>      1958
<211>      542
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB22-069-Q1-E1-G5

<400>      1958

acgcgtccga nactatcgag taataccag tagtcaatta tctgggtttt gatcgattcc   60
atcaaaatth gatctttttt cttctctgaa gcgaaagctc tcgcctttta cattttcgcc  120
aattgtgcaa atttactggt ccacaagttt tcaaaatgaa ggcgatcttc aaccgtagag  180
ttgtcgtcga ctcatcttcg cgtctacca agctgctcgc gaatccaact actcattctc  240
acctgaatcg tcaaactttc acttctctct ataaacaaaa ccagagccgc cattttcgaa  300
cacactatct tccttcaagc ccgtcgtctc ctcccgtag cgcgtttgac ctttctcaag  360
ctatggcgat cggagaaaaa tcgtgggttt ttcgcgagcg ctttagggac aagctgtaat  420

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tggaatccgt ggaaccaa at tgggtcatgg gtcccanttc ccaaaaagg gttcgaattc 480
 caagaggntt tccgggggtt tcaaaaggct tgggtgggaaa cattggggtt caaagggtta 540
 nc 542

<210> 1959
 <211> 594
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-069-Q1-E1-G6
 <400> 1959

nggcccggtc caaaattaac gggncaggc ccacgcacgc cntccngga cgcgtgggcg 60
 gacgcgtggg gtagaggtag ctctcagtt ccagaaccag gagatgaagt tcatgagact 120
 gaccaaaagg aacactatcc tcttcttccc tgattcagtt caagagggtca tgaatttcag 180
 gacagtcaat gggtcagtgt aaggaattga agatcccgat catcccttca gtagtgaaag 240
 gcctcgattc ggcctcatcc cggcagggtt aactgatgca atagttatgt gcaccacagg 300
 agctcgtgat cctgtaacat cagcgtgca tatcattcta ggtagaaagc tcttccttga 360
 tgcaatgcag gttgtgcggg ggaaaacagc atcaacctcg acgattgaac cttatattcg 420
 ttatgcagcc tcattcgctg gatacggntt agggatgcat tcaaagtga atacggggat 480
 ggtccaaacg cctatgacta gttggaacta agataatcct gaagcacaag ntagacaag 540
 caaaggtaaa gtttngaaga anctggatcc agnnaatttc naaagctttc ccta 594

<210> 1960
 <211> 556
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-069-Q1-E1-G8
 <400> 1960

aattcccggg tcgaccacg acgtccggag gaaagccaaa gagagagaga gagaaacaaa 60
 aatggcgtca cagagttgct acaatggaat ccatcgata aaaagggttc atcctctgat 120
 tcaactcttc acatttcac gattctctc atcttctctt ccattcaa atctcacattcc 180

ctcttcacaa caacagcttc gtattcgctc atcttcttcg ctttctgac ttggaaatcg 240
caggcattgt tcgtctactc gaggatttca attttggta tacaagagaa gcgaagcagc 300
gtcgccgttc aagacgaggt acagagaaaa cgaagaaaga agaagatatg acgattaaac 360
cggcgggttcg tatttccgac ggggaatctaa tcatcaaaaa ccggacgatt ctaaccgggtg 420
taccagatnt gtacacactc agacgaactg gccggtaaag gatcttcgctc ggagctgtat 480
tttacaagga agagagtaac acatcgtaac gatttggtna gccttcgcaa tttcccgggtt 540
taagtctggn ttccgg 556

<210> 1961
<211> 444
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-069-Q1-E1-F10
<400> 1961

aggtaccngt caaagaattc ccgggcccgc ccacgcgtcc gtgaaagctt tgttttgagt 60
tattttcaaa gctaataaaa ggagtgcctt tatatttgat ctaagtattc aaatctttaa 120
agttgtggct aaacttcagt ttgtgtttgc ttttgtttat caagattggt cttagacttt 180
ttcgagttaa aaaacttggtg tgttgagtc atcatcgtga tcaatggaaa ataaagttga 240
gaaggagatt acttgggtga ttaaaaattt ctcttctctg caatctgcaa caatatattc 300
tgatatattc gttgttggtg gctgcagatg gcgttgctcag gccttcccca agggatataa 360
taaggctgat tatctttctc tgtatctcga cgttcctgat aaagaatctt tacctattgg 420
atgaagaagc cacacaaaan tttc 444

<210> 1962
<211> 460
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-067-Q1-E1-G1
<400> 1962

caagaattca ngggtcgacc cacgcgtccn aataaatggc gttacaaagg caactcctga 60

agagagctac ttccgatatac tatcaccgcc gtgcgatctc tctcctccgt actgatttct 120
ctacttctcc ttcgattgct gatgctccgc cgcacattcc gccgttcgtt caccagccac 180
ggccgtataa aggtccttcc gccgatgagg ttttacagaa acggaagaag tttctcggac 240
cttctctttt cactactac cagaagcctc ttaacatcgt tgaagggaag atgcagtact 300
tgtatgatga gagtgggtang gcgatatctg gatgcctttg ctggaatagt cactgtgtcg 360
tgcggtcact gccatccggg atattcctaa tgcgattacg ggaacagagc aagctacttc 420
aacacgcgac tactaattac ctgcatcatg ccaatggggg 460

<210> 1963
<211> 401
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-067-Q1-E1-G11
<400> 1963

acgcgtccgc ccacgcntcn gcggacgcgt ggggagagat catgagggtca ccggtgcaac 60
tccaacacgg ctcanacgcc annaacgggt tccacacgct gcagcctcan gatcagaccg 120
atggtccgat caanagagtg tgtctcacgc gcggtatgca tgtccctgaa cacgttgcca 180
tgcaccacac ncacgacggt ggtccggacc agtggtgctc ctcggtggtg cagatgatcc 240
angcgcgcc tgantccgtg tgggctcttg tgcggcggtt cgataatccg aangtttaca 300
agaacttcan cagacagtgc cgtatcgtcc aaggcgatgg actanacgtc ggcgatctcc 360
gggangtcat ggtgggtccc tgggactccc nggggtctca a 401

<210> 1964
<211> 483
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-067-Q1-E1-G3
<400> 1964

cggtgccgtc aaagaattca ngggtcgacc cacgcgtccn ggagaaaatc gctcgtcgtc 60
ggtattcaag cntctgtgac tccgataaag cctanactan cnaggacngc gagagagaga 120

nananagagc tttggagttg tcgtatctct aaatcggagg caatttgagt gagataaaga 180
 caaacgaagg aatcaagtgg actaccgaag cgagttttga gctttttcag anacggattt 240
 ggngatttcc tgttgatata gtctgcttag aggcttattt ggtaccagat gaaacanatc 300
 tgagcttcgg aaggtatggc gaattcggan ggttcaatga aangtaatcn ttggcggaga 360
 taacttctcc tcctcctggg tttagtgaac cctaanggng actanaaaat gtcccccgtc 420
 gccgngcgaa ggggcaanaa aaattaattc tacccgattt cggctgccng ctgaaacggt 480
 gct 483

<210> 1965
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-067-Q1-E1-G4
 <400> 1965

ggtcaaaggg ncgacgcacg cgtccacca cgcgtccggg gcgctaaatg ataaatcttc 60
 tacatcaaac ttgaaaattg aagctcttgt cttcaccaaa ttagtcttgg natcacatgc 120
 nctcctgtt tttcaccctt acattaangc tctttcaagt cctgttttag ctgctgttgg 180
 tgaacgctat tataaggtga ctgctgatgc attaagggtt tgtggggaac ttgtcagagt 240
 antacgcca agtactgcgg gaatgggctt tgattttaa cgtttgttc atccaatcta 300
 caatgcgata atgtcccgct tgacaaatca agatcaggac caaggaggtc aaggagtgtg 360
 ctatcacctg catgggtcnt gtgatttcaa catttggtga tcaactgagg gcaaaagtta 420
 cttcaatgc cttcctgtgc ttgttgatcg aaag 454

<210> 1966
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-067-Q1-E1-G5
 <400> 1966

aactcccagc gnaccgtaac ggtcacaaat tcccggngcg acccagcgct ccncgatttg 60

cttcngcttt cttcgatttg cttctgcttt cancgcggtt caggtcactc ttttcncagc 120
catggcgant cctttcangg aaaccgtcgt gggttttatg atagtgatgt acatttttga 180
gacgtanttg gatctgacgc aactcactgc tctcaagctt ccaactcncc cgaaaacctt 240
ggntggtgta attagccaag agaagtttga tgaaatcacg agcatacagt cntgacaaaa 300
gctantttca ctttgttcat gannttttga actatactta tgggactctg caattttggt 360
ctttnggatc nngccttggt tttgggaana atgtctggaa ctgttttacc gangggtggg 420
cctgatcca gagaatgaaa tactgcataa cncctttcaat cntgganggg tgttaaagac 480
at 482

<210> 1967
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-067-Q1-E1-H1

<400> 1967

ttac'cncca ggtagcggtc aagaattcac ggggacaaat ctttctttct ctttatttta 60
tcctaaaatt tcctatctga tttcttctctc ttgagctaaa tttgttacct tctgggtatt 120
caaaaagatc tcattttttc ttctagctct aaattttcag ggagtttctt tcttcttctt 180
ttgaagaccc tttgtcatga gctaattttt atcctctgtg tgttgagaaa gatctcattt 240
tttagcttta ggattgaggg agtttcgatt tttacttagc acttttcctt ggaagtgatt 300
tgggtggaact catggtgatt ggtttcttcc taagggttat tagagattga gttctggatt 360
tttcacgcgc cttgggattt gatctaagt actcnccttt ttcangtcnt aatccggnntn 420
aaaattttta atttggagat cnttttggtta aaaaggtgca aagttccgga nttttgtaa 479

<210> 1968
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-067-Q1-E1-H2

<400> 1968

cctcangtac cgagaacctg gagttctttt gtggcgtggc ttcacgttgg aggagtttg 419

<210> 1977
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-067-Q1-E1-C3
 <400> 1977

gcgtcnacgg acacgtgggg cctgagtttc aatccagatg gaaagactgt gctttgtgga 60
 ttgcaagaaa gtctcaagat tttctcatgg gagccaatta gatgtcatga tggagtggat 120
 gttggatggg caagattgtc agatatgaat gttcacgagg gaaagcttct tggttgctca 180
 tacaatcaga gttgtgtagg cgtgtgggtt gtagatctct cgcgtactga gccatgtatg 240
 gctggagaca ctgcgcaatc aaatgggtcat ccagagaaac gatcttgctc aggaagagat 300
 ccagtagttc tcaatgataa taactcaaag acagttctcg ggaagctgtc cgtttcccaa 360
 aatgtagatc cttttattga aggaaacaaa gtctccaagg aagattatcn gttcccaana 420
 actcctgatt ctttcga 437

<210> 1978
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-067-Q1-E1-C9
 <400> 1978

ggggggacgt tgnccctga gcccaanggt aagcctcncg ggccgaccca cgcgtcaagg 60
 acaatgcaag agaagagaac acacaaggaa tagtgaacat ggttctccgt tgctgtgcaa 120
 acgccttact tgggtgccctt gactatctca acaagttcac catcaacttt gctgcaataa 180
 caggggaagc gtattgcacc tctgcgaaaa tgacttacta gctgttaata cgcaacctac 240
 tgtcagctgt atttgtcgaa acggtttcca ccagaatcct aaccgggaat agtctttgtc 300
 ctgtcagccg catatgcatt cgcnacatgg gctgttctga ggaggagtga gcagcctgng 360
 tanagattcg tacgtggtgg ctgtactggg gttgggtgtt actgattggg atattggctt 420

tcctttgtac atgttcn

437

<210> 1979
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-067-Q1-E1-D11

<400> 1979

cgttgacatg cntcgcgctc cgaagcgggc tcaaantccc gggcccgacc cacgcgtcaa 60
cagagatttt tatagtttgg tttctttgac cggagaatct cgattagggt acgatgggtgt 120
ttctctcgat tccaaacggg aagactttat cgatcgacgt gaaccctaata tcaaccacca 180
tctccgcctt cgaacanttg gccaccaac gtagtgatgt tccacaatct ttccttcggt 240
actctctccg tatgcgaaac cctagccgcg tgtttgtaga ttcaaaggat tccgattcga 300
tcttattgtc cgatctcggg gtttctcggt tctctactgt gattatccat gtcttgcttt 360
tgggtgggtat gcaagcgggt ccgccgaagc ctgcgtctga tttcctcaat tctaagcctc 420
cgtaaatta tgtagnccggg tttgggggtcc tgggggna 458

<210> 1980
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-067-Q1-E1-D12

<400> 1980

tcccggcccg acccagcgt caaagtgaga agctcgctgt tactcatcgt cgagcctctc 60
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aagaccgaca ntaatggtgc ctttaangtt aagacgacga gtccgaaaaa gtattgtggt 180
aggcctaata ctggagttgt tctcccgagg tctacttgcy aagttcttgt gancatgcaa 240
gtcaaaaagg aagctccttc cgatatgcag tgcaaggaca agtttctgct tcaagggtgtg 300
atagctagtc ctggtgtcac agccaaggaa gttactcctg agatgttttag canagacgct 360
gggacatcga gttgaggaaa nnaaaactga naagttacta ngttgggtcc aacaannncg 420

440

aaactctcag	cgntccgtaa	cggtcaccaa	attcccgggc	cgacccangc	gtcnaataaa	60
atcatnaatt	acaaacaaaa	atggtttttg	aaaagcttcc	tctcattggg	ctgcttttgc	120
tcttgaccat	cgtcgcctct	ccagcaaattg	cngatggacc	tgtttgcccg	ccgtcgaaca	180
aactaagccg	ggcaagtttc	cctgaanggt	ttttatttgg	cacgggggtac	tgcggcatac	240
caggtcnaag	gtgcgattaa	tgaaacttgt	cgtggaccaa	ccttatggga	catctactgt	300
agaagatata	naagagaggt	gcaataacna	taacggggga	tgtnnccggt	ganttcctcc	360
atccgttata	agggaaagata	tccaactaaa	tgangaatct	aaacacagac	ncctttanaa	420

tgtcaancgc atgggcaann aatatttcct ccatgggaaa anaggaaaaa agg 473

<210> 1983
 <211> 478
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-067-Q1-E1-E1
 <400> 1983

ttacgcantc ggtggcgcgc anagaattaa agggtcgacg cacgcgctcn cccacgngtc 60
 cgcttcattg cctcttaagc cccaattatg acaacaaacc tcacgcgtac tgtcttcttc 120
 gtcttggtct tcttcatcta ccatgaaagc tcttctcttt cttcttacc ctttctcat 180
 cctcccaaac ccaatctcag ccattgattt catcttcaac ggcttcaatg actcatcatc 240
 taatgtctcc ctcttcggga tcgcaacaat cgaatcaaaa atcctaactt taacaaacca 300
 aacatcggtt gcaactgggc gtgctctata caacaagaac catccgtaca aaagatccaa 360
 tcacatcttc tgttttacct ttctctangt tcttcatct tcaanatggn tccntacaa 420
 agaaaacacn tcttgggtca cggaatcgt cntctcttt ggancatcac tgggatca 478

<210> 1984
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-067-Q1-E1-E3
 <400> 1984

gtgcccgtca nagaattcaa ngggncgacg cacgcgtcca agcgtctctc cggactcaca 60
 cctcatcgaa atttgccat ctcatctggc ttcttccct ccggcggttg ntaaccatca 120
 ntanttctcg cgccggcttc gantggaaca atatggatcc tcgtcaattc naacacaccg 180
 ttgttgctga taatganatt cacagcattg ttatgtcata tcttctgcac aactgcttca 240
 acgaaactgc ggactcactt gcttcttcca ctggagttaa gcancctgca attgatcgtg 300
 ataacatgga gagaagaana caaataatac attttatact gganaggaag gcgttgaacg 360
 gttttgaact aactgaacaa ctagcacaag acttgcttga gaaaaacaag gatttgcaat 420

tcgattttcn atgccttcat tttgtggagc taatctgtgc tgggaa

466

<210> 1985
 <211> 472
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-067-Q1-E1-E5
 <400> 1985

cagcgnccag taacgggtcan agaattcccg ggnaaagaca aactcacnag agtaaacata 60
 cgcaacctgt cgtgtaagta aaaacaattt gatagtgatc tctctatggt tgggtggagga 120
 agagggccta tgggtggcgg cggaggtatg ttacgcgccg ccggtcgtgc gatgacgagg 180
 accgggtgtag ccaacgggtgg tattcaagat ccctttgctt cttcatcatc atcgccacg 240
 tcgtctccgg ctggaaacgc ctctgtttcg catgtccaga aacagagatc ttcttcttct 300
 gggtcgaata atctgacgta ttccgcggct tctgggttgt tgttgaatct tccgggtggct 360
 gcaacctccg ggatggagcg gcggcgggtcc tttttccttt gttaattctg gangttatga 420
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<210> 1986
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-067-Q1-E1-E6
 <400> 1986

agtaacggtc anagaattcc cgggncgacc cagcgcgcnn cggacgcgtg ggcggacgcg 60
 tgggctgacn cntgggcgga cgentgggcc atgcttggag ctcttatgaa aagtangcat 120
 gggggaaaga tgagcttcag cctcggacaa aagatggcac tgatagcttt ggtggccttg 180
 gagcaactat ggtagattct ttanatacac tctatataat gggcttagat gagcagtttc 240
 aaaaagccag agagtgggtt gcaagctcat tggatttcga caacgattat gacgccagta 300
 tgtntgagac aaccataaga gttgtaagct gacttcntaa gtgcgtatga tcnttctggg 360
 gacaaaaatg ttcccttgaa aaggctaang atatttgcac ncaggattat tgccctgcatg 420

gaataactcca acgggtatac cttacaatan tatic

454

<210> 1987
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-067-Q1-E1-E9

<400> 1987

aggnaccggt caaagaattc ccgggncgac ccacgcgtcc naaaattctc ggcaanaag 60
tgaagtttcc ggcatcaga ggtgatatgg ataaggagaa ggatcatgaa gtggagtggc 120
ttgaagctca gaagatagaa ataagcggtg acttattagc tgcagcgaaa caacaccttt 180
tgttccttga aactgttgat aggaatcgat ggctctacna tggctcctgcg cttgaaaaag 240
ccatctacag gtacaatgct tgttggttcc ctttgcttgt taaatactct gagtcatcat 300
cggttagtga agggctcttg gtccctcttc ttgattgtga atggatttgg cattgtcaca 360
ggcttaatcc ggtgaggtat aattctgact gtgagcaatt ttacgggaaa attctcgaca 420
attcctggag ttccttcttc cggttna 447

<210> 1988
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-067-Q1-E1-F10

<400> 1988

gtttcgagct atcgtattca accaccgatc tcagatctct aaatctccga tggaccgttt 60
gatttcagat tacttcgaac ggagcatcaa agctctagat gtcngtaacg ccatccgcga 120
cggtatcgaa cagatccgtc aatgggagaa acttgccgat attgtgatct ctgctttaga 180
tagtcaccgt ccgatcggag aaggtcagct ccggcgagct aagaaagctc tgattgattt 240
agcaatcgga atgcttgacg anaaagatca tccttctgga accantctag ctcatcgtaa 300
ccgttcattc ggaagagtca aagacagtca ccaccgttcg attggtcatt tcaagatctc 360
tttcttggag tgtttcaaag atnaagggtc agcttctaag caatttacia 410

<210> 1989
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-067-Q1-E1-F2

<400> 1989

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ngccgtcaca aattcacggg cgcacccacg cgtcnaanag atggtnaatg gntcnatttc 60
ctttccaagc antgganatg tgantttctgg aggaacttcn tgggccttta agcanccatc 120
tttggaatt ggggaactana aagaggaaaa ngaagtacag acaggcnagc ccaagggagt 180
cttgccattg tccttttttcg aggatgagaa atcgganacc tctgacactt tggttcatga 240
acatagtttt gtttttagcca gcgattttcc tgtgagagag aaaactaagg ctccaagtcc 300
aactgtgtcc atcagtgact taatatccag attatacagt caggtggaan gagaanaatg 360
ctgttaatat tttaaaaaac tctgcaactg cttctaataa aattaatggn gangatgatt 420
catgggaant tcagggtccc aaaatgccc taacagattc at 462
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<210> 1990
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-067-Q1-E1-C2

<400> 1990

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cggtgccggt caaagaatta acgggncgac ccacgcgtcc ngcttagatg ctttgacatg 60
gggaaattga ctctcagcct tcanggtctt gatcattgcc aattcttaac gacggtacca 120
tcatgacaat ctcaaangac agagttnagc catctcccac acctgatagc tggnaactta 180
aagaaatfff tgctactgga gtcgttctag gangctacca ggccatcatg actgttattt 240
tcntctgggc ggcgcacaag actgactttt tctcggacac attcgggtgt aggtccatta 300
ngggacaata accacgagct aatgggttgc ggtgtactta caagttagta tcattagtca 360
agctctgatc ttcgncacaa natcaacgag ttgggtcntt tggtgaacgt cctggaagca 420
ttgctgatga atgnttcccn cattggcaca actgatttgc tantttgatt g 471
```


<210> 1997
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-067-Q1-E1-A7

<400> 1997

cacgcgtccg cngacgcgtg gggttanctg canatgtang gaaagaatca acaaanatat 60
 aatttatnaa ttggtggaga aataccaagt agcatcaaat ggnctcacgt cttttaaaga 120
 cacttcctca atattcacca ttagtaatga ttcttatctc tagtcttagc ataatzgatgg 180
 tgtggcaggt atatcggcaa aatcttcata ncganctagg cgcactaaag ttgatgggtca 240
 aaataatcag aaanacagaa aaagttcana aacagaaaaga nttggatgga ttataaaaanc 300
 aaattcccta agaattanca tgatntggat tctcatttac canattccaa tanangtaat 360
 gataattaat agagaaatcc tangatgtta agttatcaaa gagacggtaa ataancgggt 420
 tcagcat 427

<210> 1998
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-067-Q1-E1-A8

<400> 1998

aanggtcaca gaattcccgg gncgaccac gcgnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
 nnnnnnnnnn nnnnnnngga gaattaaaca gagaaatttt ttggtctcag gtttatatca 120
 aagatgcaaa acgttcctga agacaaaac aaaatgggtca tagatgataa acttcctcca 180
 ttttcatggg aaanaaagtt gaacagtcaa gcaaagactc cttctgagtt caaattgagt 240
 naaacgagat cacatgcac tgtttccaan taggctacag attgtggcgt cacagcaaag 300
 acgaagccgc caaaagaaag aacttcgath ttcgatatct tcagaaaaac aacatattac 360
 gggagatnac ggtgtccctt taagaggaan tgggtcaaga agcattggaa ngagttacaa 420
 agggtgagtt tcagcagttc aagctgttcc caaaaatttg tgagg 465

<210> 1999
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-067-Q1-E1-A9

<400> 1999

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ggcctccggg ccgacccacg cgtcnnccca cgcgtccgat ggtaaccccg tcgctatcct   60
cagcgatatt gagatttata agcatccaaa ggaagaaagg atagctagaa catgggggtac  120
gacgggtcca ggtttgctt acgtagacga ggcgataact aatgctggaa actgggtcat  180
tgggggtgat cttgaggttc ttgagccagt gaagtacaat gatgggcttg atcgtttcag  240
gctttcgctt gctgagttac gtaaagagtt ggagaagcgt aatgcggatg cgggtgtttgc  300
tttcagctg aggaatcctg ttcataatgg tcatgctctt cttatgactg atactcgtag  360
gagacttctt gagatggggtt aaaaaaacc tattcttttg cttcatccgt tangtggggt  420
taaaanggcg gatgattt                                     438
    
```

<210> 2000
 <211> 383
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-067-Q1-E1-B11

<400> 2000

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nacgcgtcaa acccgatcan gctgttctac acctccaaca tgccaatcat tctccagtct   60
gctctcgtct caaacctcta cttcatctct cagcttctct acaggaaatt cagtgggnat  120
ttctttgtga acctattggg acagtggaaa gaatcagagt acagtggaca atctatacca  180
gttagtggtc ttgcatatth gatcacagct ccggcaagtt ttgccgatat ggcagctcat  240
ccattccatg ctctgttcta tatcgtcttc atgctcactg cttgtgccct attctcaaaa  300
acatggattg aagtctccgg gtcttctgct agagatgtng ctangcagct aaaggnacaa  360
cangtgggtga tgcccgggac ana                                     383
    
```

to South Africa

<400> 2001

<210>	2002
<211>	475
<212>	DNA
<213>	Arabidopsis thaliana

<400> 2002

949

<210> 2003
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB22-067-Q1-E1-B3

 <400> 2003

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 taattaacct tttgcaattt gtcttggtt tctcacaaca cananacttg taaaagtgtt 120
 aaaaaatcaa gatctgaaaa atcttatcac cgcttctagg tttttcagtt ttttttcttc 180
 cttttcctga tcnaaattaa cttatatctt ttagggtttc acttcttgaa acatttaatc 240
 agaatnaatt aacctctcna gggctttcat ggcgaatcca tgggtggacag gacaagttaa 300
 cctatccggc ctcgaaacna cgccgcctgg ttcctctcag ttaaagaann nnnnnnnnnn 360
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnagaagt 420
 cgataacanc aacaacgacg acgatagaga caacntgagt tgg 463

<210> 2004
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB22-067-Q1-E1-B7

 <400> 2004

 tccccgggncg acccagcgt cgcgccacgc gtccgtgagt ttctacaggt cagattccac 60
 ccgcatcatt cagaaatagt tgcgagtga agtttagatc tcgagggtccg cttatggaat 120
 accacaactt ctgaatgcat taagatctca tctattctat cggcctattg cttctatcgc 180
 tttccatgct gaggggtgaac tacttgctgt tgcttctggt cataagctgc acatgtggca 240
 ctacaatagg agaggagagg gatcatcacc aactgttgta ttgaagacga ggcgatcttt 300
 gagagctgta cactttcanc ctcatggggc tccattactt ttgaccgcag agtggcaagt 360
 gaatgagatt gattcattan attctcaat gtctagagca acatctatgg gctacntgag 420
 gtatccgccc cctggctaatt ttgttca 447

POLICE - The Port of Portland Police Dept. will have another "beat up" night with much trouble.

<400> 2005

<210>	2006
<211>	427
<212>	DNA
<213>	Arabidopsis thaliana

<400> 2006

951

<210> 2007
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-065-Q1-E1-D7
 <400> 2007
 acgcgtccgg tttcttaagc gagaacattg tgaaaccgcc atattcgtct tctaaatctt 60
 gtggagtgtc ccaatggaaa acagtcacaa gatttagaag acgaatatgg cggttttctta 120
 agcgagaaca ttgtgaaaga tttccgagaa tatgcagatt atgttttcac tgaatacggg 180
 ggaaaagtga aaaactggat cactttcaac gagccatggg tcttcgctca tgcaggttac 240
 gacgtaggca agaaggcgcc aggacgttgt tctcgctacc ttaaagggtg tgaagaccga 300
 gatggacgat caggttatga ggcttatcta agttaagtca caacctctc aacgctcatg 360
 cagaagctgt tgaagttttc cgccaaaagg ttaaagggtg gaaaattgga a 411

<210> 2008
 <211> 385
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-065-Q1-E1-E10
 <400> 2008
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 ggtacgcttt gtctgatcat caatgatgct tataataatc tcatttatac atgatcttgc 180
 ctctatatat ttgttcatct tagtaatctt cggcttcagc ttccattttc gtctcccact 240
 atgtttctag gattttgtgt tacttttggt agaaaactgc gatttttgtg ctagtggttg 300
 tttctccaag atcaatggaa ctggttgctt aaaattcctg attatagtta cataaacatc 360
 aatggttctt aattggtctt tgate 385

<210> 2009
 <211> 393
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations

<223> Clone ID: LIB22-065-Q1-E1-E11

<400> 2009

tggatgatgga accactgtgg ctgaagctgc tgattcacat accatggctc gtgctttccc 60
gcatacctta ggccagcctt tggctcactt cctcagggaa actgctcaag ttcctgatgc 120
gcacatcatt accgagcttc cttcagttag agttggaatt gtgttttgtg gaaggcaagc 180
tccaggtgga cataatgtga tctggggctt tttcagggtc ctcaagggtc acaacgcaaa 240
aagcactttg ctaggatttt tgggtgggtc cganggtcta tttgcacaaa aagactccaa 300
gagattacag atgatataac ttcagactta caaaaaccaa ggtgggttat gatttgctcg 360
gaagaactaa ggatcagatn aaaacaactg agc 393

<210> 2010

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB22-065-Q1-E1-E3

<400> 2010

acgcgtccgt tcgctcttca atttatattt taccaaata tcttctctct ttctctatct 60
ctcaaaacaa aaagtaacca tgatcaagac aaagacgacg tcccttctct gtttccttct 120
cacagccgtt atactaatga acccatcttc ctctctcccc actgacaatt acatatacgc 180
cgtttgttct ccggctaaat tctcccctag ctccggctac gagacaaatc ttaactccct 240
cctctcttcc ttcgtcacct caaccgcca aaccgctac gccaaacttca cagttccac 300
cgggaaaccg gaaccaaccg ttaccgtata cggtatttac caagtgccgc ggcgacctag 360
accaaccgc ctgctcgacg tgcgtatcaa gcgccgtcgc acaagtcggg ag 412

<210> 2011

<211> 462

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-065-Q1-E1-E4

<400> 2011

attgttccgc cgctaccggt caagaattcc cggggncgac ccacgcgtcc gatcaatgat 60

gaagcaaadc gaagagaagc atcatgacac tgcagcatca gtgttctgtt gtctgtacag 120
aaaggctcca cctccacggc ctctgtttct gtcacagaaa ggaatgtttg gcgtttagc 180
gcttctaggt tcagttgcct ccacgtcgct aagcagggtt ttgtctgaat atttggggaa 240
agacacaatg ctttcttttg tgtgcaaadc atcacagttt ggacccaaaa gcgatgagta 300
tcgcaagttt caatctgaag cagctagcct cggacgatct atcaccaadc ggtttcttgt 360
tatttgtctt gatgcaacta gaccttgga ggaacggact tgtgaggaat gatcctcaga 420
agagattagc catggataac ccttacctgc cgaatggaga tc 462

<210> 2012
<211> 407
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB22-065-Q1-E1-E5
<400> 2012

agatgaagtt ttctcatttc aactcaaadc tcaattccct ttgttcgtga ggttgaattt 60
cggttgcaaa catttggtt tgttgtaaadc taagggtccg tttgtaaaag agattccttt 120
ttatttggtt aaatcgagga gttcgtgtac ggagctgagt ttttgctttt ttgatggttg 180
cagataaggt ctaaaatctt gaaggattca aaaatttccg atgaatacac gttattccaa 240
tcagccggag ttatcttcta gtaatatcac gatcactatt tcacgtctg ctttggttaag 300
ctcctcaccg cgaggcgata acagtcagtg tgctgctgct aatgggtcaag agagggtctcc 360
atcttcgttt tatataaggc tggctatgaa ggtatctaga gctagat 407

<210> 2013
<211> 445
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-065-Q1-E1-F1
<400> 2013

agtagncaaa aatcccgggc ngccccagc gtcnngcact agagccggta aaattctttc 60
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tctagttttc tagatctaaa tatttaaagc ttaaattctcc tctcctttg gtttttgatg 180
 ttttgctttt ttgtctccgc cattctcagc atcatatctg gttgtatctt tcttggtagg 240
 tagaagcagt cttcaatcgg ttcttctctg cctcagatta agaaatttcg ccatcgtaaa 300
 tctagatctt cttcctttct tcaagagacg ttctttgagt ctctattttt ttggatgcgt 360
 ttcaccgcct ctgtgacttc tcgagagtat tataaagaag ggtcacacga cactttcatt 420
 tgggttttaa cttgttaaaa agaaa 445

<210> 2014
 <211> 389
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-065-Q1-E1-F10
 <400> 2014

gagcaaagag tttttgtgtg gctagtggca tcaatggagc tctcgatctc acaatcaccg 60
 cgtgttcggt tctcgtctct ggcgcctcgt ttcttagcag cttctcatca tcatcgtoct 120
 tctgtgcatt tagctgggaa gtttataagc ctccctcgag atgttcgctt cactgagctta 180
 tcaacttcaa gaatgcgggc caaatttggt tcaaccaatt atagaaaaat ctcaatccgg 240
 gcatgttctc aggttgggtgc tgctgagtct gatgatccag tgctggatag aattgcccgg 300
 ttccaaaatg cttgctggag atttcttaga ccccatataa tccgcggaac agcttttagga 360
 ttcactgcct tggtgacaaa aagctttga 389

<210> 2015
 <211> 390
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-065-Q1-E1-F12
 <400> 2015

aattcactgc aaagtaaggg aaagcttggc ttggaaatgg gagttgaaca agccatcgat 60
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 ttccgcttac gaatgatctt tttctgatgc gtcattttga ttaagtgtgt acttctgcaa 180
 tggaggcttc tctagctggt atacagaggc ctcaagctgg agcttcgaat acggtttata 240

agagtggccc tctcttcata tcatcaaaag gactaggctg gacatcctgg aagaagcggt 300
 ggtttatacct taccggaact tctttgggtct ttttcaaaaa tgatccaagt gcattaccac 360
 aaaagggaag tgaaagtaaa tttgaccctg 390

<210> 2016
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-065-Q1-E1-F2
 <400> 2016

tccgccgcta ccggtcaaga ttcccggatt tttggcgtct ccangcacga tttaacgcat 60
 cgaagctctc tgcacgcttc ctgaaagaga gagagaagag agagatcgca gatcgatttc 120
 tcttaaactc ctctgaatc ccatttgctt tctctctgct agattctctc ttcttctctt 180
 caccatttc tcgctttctc ctttggttct tcatctgggt tcttctcaaa gcctcttcct 240
 ttttatgcca tgggtgggtgc gtcttctctc tacgcatctc cgttatgtac ctggtttgtt 300
 gctgcttgca tgtccgtctc tcacggtgga ggagatagcc gtcaggctgt tgctcttcaa 360
 tctggtgggc ggagtcggcg aaggaggcag cttagcaaat gctctgtcgc ttctggatcc 420
 gctagcattc angtctctgt cacttcttgt tt 452

<210> 2017
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-065-Q1-E1-F3
 <400> 2017

tacggtcaaa aattccnggg cngnccacg cgtcncaaa gatccgtctt tttctttact 60
 tcatgtcgaa gcaaacgtac aaagtgtgtt tctgctttcg ccggagggtt cgttacactg 120
 catcggaggc accgcgtgag atcaagacca ttttcgaaaa gtactcagag aatggagtta 180
 tgaccgttga tcatctccac aggtttctga tcgatgttca gaaacaagat aaagccacca 240
 gagaagatgc acagtcaatt atcaattctg catcttctct tcttcatcgt aatgggtctcc 300

atcttgatgc tttcttcaag tacctctttg gtgataataa cctctctctt gctctccata 360
aggtgcatca tgacatggat gctcctatat cgcattatct catattcact ggtcataatt 420
cttatctgac tggtaatcag ctgagcag 448

<210> 2018
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-065-Q1-E1-F5

<400> 2018

tgatgtactc ctctgcaata ttcaagtcag aaaatgagga tcctagaact gcacagatga 60
gaaaaatatc tcttttaatt gaaaaggcga ggatagagaa gaaccatgag gtcttagaga 120
tgggatgcgg atggggaact tttgccatag aagttgtgaa aagaactgga tgcaaataca 180
ctggcattac tctttctatt gaacagctta aatatgcaaa agcaaaagtg aaagaagctg 240
gacttcaggg tcggattacg tttatgctct gcgattatcg ccaactatct gatgctcgca 300
aatatgacag aattatagct tgtgagatga tagaagcggg tggccacgaa gtttatggat 360
aagtttttca gttgttgtga agatgcgctt gcagaaaacg gcattttttg 409

<210> 2019
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-065-Q1-E1-F6

<400> 2019

gggcggacgc gtgggcgatt ctctctccgc cgctaccgaa ttaacgattc cggcttctac 60
tgaagtaaga tcgatcaata acaaccgtag atccgtgatt agacgccgga gatccggctc 120
tcgtccgtcc tttaatccgg tcctcgtact tcaaggaggc gccggcgaga gagaagaggg 180
agaagaagga gatgcggcta gagatcgacg cgcttttgag ttttattacg atgacggatc 240
cggatcgggt cttagaccgc ttccggattc tgtatctgag atcttgatgg gatctggatt 300
cgagcgggta cttgaacaag ctaagccaaa tcgaagcgtc ggctactgga attggtagat 360
ctggaaaacc tccggcgtct aaatcggcga ttgagtct 398

<210> 2020
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-065-Q1-E1-F8

<400> 2020

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 tctcagcaat cagataaaaa gattacaaga agttctttta attaaccttt tgcaatttgt 120
 cttgtgtttc tcacaacaca aaaacttgta aaagtgttaa aaaatcaaga tctgaaaaat 180
 cttatcaccg cttctaggtt tttcagtttt ttttcttctt tttcctgatc taaattaact 240
 tatatttctt aggggtttcac ttcttgaaac atttaacag aattaattaa cctctctagg 300
 gctttcatgg cgaatccatg gtggacagga caagtgaacc tatccggcct cgaaacgacg 360
 ccgcctgggt tcctctcagt gaaaganacc aagatctcca c 401

<210> 2021
 <211> 393
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-065-Q1-E1-F9

<400> 2021

cgagccaaac tcggcactcc tccacagcta atgttcatgg tcctagacac aagtaacgac 60
 gccgtttggc tcccttgctc cggtgtctcc gggtgttcca acgcctcaac ttctttcaat 120
 acaaactcct catccactta ctcaaccgtc tcttgctcca ccgcacaatg cacccaagca 180
 cgtggcctca cgtgcccata ctctcacca caaccgtccg tctgctcctt caaccaatcc 240
 tacggcggag attcatcctt ctctgccagt ctgtccaag acacgctaac gttagcccct 300
 gacgtcatcc caaatttctc cttcggctgc atcaactccg cctcaggcaa ttctctacca 360
 ccgcaaggga ctaatgggcc tangacgccg ggc 393

<210> 2022
 <211> 407
 <212> DNA

ggtgatatat cagtaggctt gtactcgtgg gctcacaact tgttaccggt ggtcagtagc 120
aagagttgca atcctcagtc aagggatctc attcttcagt tggttgagag gatcttgtcc 180
aaccgaagg cccggaccat acttgtaaata ggggctgtta ggaagggaga gcgattgatt 240
ccacctcctt cgtttgagat cttgggtcga cttacattct ctgcatcttc cgcaagagtg 300
aaggctacag agaggtttga ggcaatatat cccttgctga aggaggtgtc tcttgctggt 360
gctcctggga gtaaggcaat gaagcaagtc acacagcaaa tattcact 408

<210> 2027
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-065-Q1-E1-B5

<400> 2027
aaatatctct ttctgttag agacaatgga cggattgatc agaggtttgg tcgacgtggc 60
tatcggagga aaccaacgcc gcggcgaga cgatggtggt gatgatgaag gcaactcgag 120
ggacgagaga tccagatcta cttgggctaa tgtggtttcc ggtgaggaag aggatcagaa 180
tcgcgcggga ggatcgctgc acggccgctc ccagaattca gaggagaatc aatgggagaa 240
gaagggcgaa aggcttccca caaggcattc acaatcacat gaggaggacc aggaagagaa 300
tacatatgcy gctaaagtga gcgagaaaca agacttctcg gagagccagc aagaggaaaa 360
tgatggttgg gaaactgtgg gcaaaaagaa acctgcaagg caatcacata a 411

<210> 2028
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-065-Q1-E1-B7

<400> 2028
tttcttctat ccaaaacacc atttttgaga tcagagcttc tagcagcgta aaaaatgcag 60
acgaggtata tggagaggac taatagtatg agagagaaga gaaaattgga ggaagatgat 120
aatcagcagc agcagcaaca gcctgagcgt aaaaggccag ctcttgcaag tgtaattgtg 180
gaagccttga agatggatag ttacagagg ctttggttctt ctttgggaacc gattcttcgc 240

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-065-Q1-E1-C2

<400> 2031

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cttcattca aatctcacat tccctcttca caacaacagc ttcgtattcg ctcattctct 120

tcgctttctg atcttggaat tcgcaggcat tgttcgtcta ctcgaggatt tcaattttgg 180

tcatnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn accggcggtt cgtatttccg acgggaatct aatcatcaaa 300

aaccggacga ttctaaccgg tgtaccagat aatgtcatca cgacgtcagc atcggaagct 360

gaccggtaga aggagtcttc gtcggagctg tatttaacaa ggaagagagt aaacacatcg 420

taccgatcgg tacgcttcgc aattcccggg ttatgtcttg tt 462

<210> 2032

<211> 449

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-065-Q1-E1-C4

<400> 2032

cctacgggtca aaattccggg gtcgacncac gcgtccgcac tctcagccct aagagagaag 60

aaataggctc tgctctgcgc cttttctaca agaaattcac caaaaaagct tgaatattta 120

tcggaatcaa agcttggggt tttaatcctg gtaaagccat gtcacatatg gtgtttcaga 180

gcgttgctgc tcccaaacc ttatctcttc tcaaaccctg tttacctatc cctcgtccac 240

tcgttactct gccttgtaag ctccgtcgtg gcttcggttag agcttcttcg tctcgttttc 300

ttgtcganga ntcaagtttc aggactccga gcgttgctta cagttacctt ctggagttga 360

ggttaggcnc atcttctctt ggctctttct ctgcaagtac ncagatgtgt cctgtgatga 420

aaggcaaatt tgggttcggg agancggg 449

<210> 2033

<211> 409

<212> DNA

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tcgtcaacta tcagcatcca gatgatgcaa accaggctta tttcccaaaa ttcgttggtg 240
tttttggttt atccattgct atgatctcta ttctcatgtt accggcggat gtggctaacc 300
ggcatgcttg tcgacattcg atttacaacg gcgcttgtaa tctcacctta cctatgaagg 360
atctttggct tgccgtttac attgttgacg ctgtgcttgt cttctcatc 410

<210> 2038
<211> 410
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB22-065-Q1-E1-D4
<400> 2038

aacgaaagcc aaattcgaat cgggccacaa aataccaaac gtcgtcggat caatctacac 60
cacacatatt ccgatcatcg ctccgaaagt ccacgtggcg gcgtatttta acaagagaca 120
cacggagagg aatcagaaga cgctgtactc gataacagta caaggagtgg tcaacgccga 180
cgggatcttc accgacgttt gtatcggaaa cccaggatct ctcaccgacg atcagatcct 240
ggagaaatct tcgctttcac ggcaaagagc ggcgcggtgg atgttacgtg acagctggat 300
agttggaaac tctgggtttc cgttgactga ttatcttctt gtaccgtaca cgaagacaga 360
atctgacgtg gacgcagcac gcgtttaacg agagtatcgg agagattcaa 410

<210> 2039
<211> 413
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-F5
<400> 2039

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gtctgaaacc caacaacaat tcccattcaa acagaagagc aaaagtgtgt gcttcacttg 120
cagagaaggg tgaatattat tcaaacagac caccaactcc attacttgac actattaact 180
acccaatcca catgaaaaat ctttctgtca aggaactgaa acaactttct gatgagctga 240

gatcagacgt gatctttaat gtgtcgaaaa ccggtggaca tttgggggtca agtcctgggtg 300
 ttgtggagct tactgggggt cttcattaca ttttcaatac tccacaagac aaagattcct 360
 ttgggatggt gggcatcagt cntaacccca taaagaatcc taacggggaa gaa 413

<210> 2040
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-064-Q1-E1-F7
 <400> 2040

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 aaaggggttat cgaaaaaatg agtgagtttg tggtgaggtt gtctctgtaa agtggttaatg 120
 gtggtgattt tcggaagtta ggggttttctc ggatctgaag agatcaaatac aagattcgaa 180
 atttagcatt gttgtttgaa atggagtcga gttatgtggt gtttatctta ctttactga 240
 tcttacttcc gaatcattca ctgtggcttg cttctgctaa tttggaaggt gatgctttgc 300
 atactttgag ggttactcca agttgatcca aacaatgtct tgcagagctg ggatnctacg 360
 ctagtgaaac cttgcacaag ggtccangtc aacttgcaan aacaaga 407

<210> 2041
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-064-Q1-E1-G1
 <400> 2041

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 attttgacct tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnntt cggatttggt ttttcaataa attgactaat tgagtactcg 180
 tttaaaggaa gtgaagagcg gtttttttgggt agtggtggtc gagaaaagag agagtgtgtc 240
 tctgtgactc agagtgaat caatagagcg ggaaaagatt gttgcttttt tttgccatgg 300
 gagttgatga gctgtctcac ctcaaattct ctcttctgct agaatcatca gcctgcaatg 360

atttgtccng ttttaaaten ccaagttnga aagaaaaaag gccctgaaaa ncattggat 419

<210> 2042
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-G11

<400> 2042

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ctttgggcac tctctgcaac atctgaagca ntaacagagg ctgagccang tttgatgatg 120
aacttctaca aggacacgtg tccncaggcc gaanacatcg tcngtnaaca agtcaaactc 180
ctctacaaac gccacaagaa caccgctttc tcttggctcc gtaacatctt ccatgactgc 240
gccgttgagt catgtgatgc gtcgcttttg ctggattcna caagaagaga gctaggagag 300
aaagaacacg acangagctt cggacttaag aaactttaag tacatchagg anatnaagga 360
aactctogan aaggantgtc ctgatgttgt ct 392

<210> 2043
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-G12

<400> 2043

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gtgtctcttg actaggctta aggattatcg atctaggggtt tttgggttga ttaaaacttt 120
gaagtattta gataagactg atgctgaagg gaatgagagg cctgagtctn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngctcct cggatgagta atggccatag 300
tgaaagggta gatggtgttg ttgatgttga tgaggatgaa gagagtgatg ctgaagatga 360
tnagtcagag cangctactg gaattgaacn gggac 395

<210> 2044
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-064-Q1-E1-G6

<400> 2044

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 catctcttgc tttgtaatgc cgttgttctt catcgtaacc gactcgggtg acgcgatnaa 120
 ttgactcgtt ctcttttggga tccttggtga ctcggcgagc ttggcttang agacatggga 180
 ggtgtgcctt caacgccgcg aaaaaccggt ggtgatgatg tttcgggtggc cgagtacctc 240
 attgccactt ttgttgggga gaaatcgttt cctttagcgt ctgatttctg gaacangcta 300
 cttgagcttc cgttgagttc tcgctggcct agtgatcggg tncaagcaag cctgtgaach 360
 tttcggacan ngtaatnggn tacgctangc cccttgcaaa ggcnatgg 409

<210> 2045
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-064-Q1-E1-G7

<400> 2045

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 tctgctgcct cacctgaacg cctctctgta tcttctacta tcgctggggg aaagcgcctt 120
 ccctattcat cagatgtcaa tcaatcacca aatagaagga ttgtggatcc tgttggactc 180
 gggaatgtag cttggaagga gagagttgat ggctggaaaa tgaagcaaga gaagaatact 240
 ggtcctgtca gcacgcaggc tgcttctgaa agagtggagt agatattgat gccagcacag 300
 atatcctang cagatgaggc tctgctgaat gacgaagcga ggancctct gtcaagggaa 360
 agttcaattc ccttcatcac ggattaatcc ttacagaatg gggtattatg c 411

<210> 2046
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-G8

<400> 2046

atcataggag cgcagcattt tgctgaagcc gctaaagcan ctggtgcttt caatccggat 60
atcgactttg cttcaccaat ggatggcgat ggacatggaa gtcacacagc agctattgca 120
gctgggaaca atggtattcc agtgaggatg cacngttatg agtttggaaa agcaagcggg 180
atggnctctc gtgcaaggat tgctgtttac aaagctctct accgactttt tggangcttt 240
gtagctgatg tgggtggctgc cattgatcag gctgttcatt atggagtana tattttgagt 300
ctctcggttg ggtccaaaca antcctccag cctactacan ganacnacat tcttgaatcc 360
atttgatgcn acatttcttg ggggctgtta aaaactggt 399

<210> 2047
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-G9

<400> 2047

acagaaaagg agtcggagag ggtttttcgc ctagggtttt agaattcgat cttactcatt 60
caaatttctc ccttcagatt tattcatctg ttgagtaaaa ccacaagggt ttctctctaa 120
tgttgcccag attagctcga gtcgtcactc aaacctcaaa gcttcgatct ttgaccacta 180
atggatcgat gaaaaatctc tcctttttct cccgatatgg gtacgcgact gttgcgccgg 240
cggcagctga tcctccgtcg cagaaggatt tccccagtaa atctccgata aacttggata 300
agatgttttg gtcaaagcca tgttcattgg ctctgcctaa agactctcct ct,cagaattg 360
atgaaccaag actatgtang gattcgtcgt tt 392

<210> 2048
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-H12

aagaanangg aaangaaaaa gatgataacg ggaaacgaat tctacacggt gatgtgtgcc 120
atggcaccan tctacttcgc catgttcgtg gcttanggat cggtaaagtg gtgcaagatc 180
ttcacgccgg cgcaatgttc cggaatcaac cgttttgtct ccgttttcgc cgtcccagtc 240
ctctctttcc acttcatctc acaaaacaac ccttacaaaa tggacacaat gttcatcctc 300
nccgacactt tgtccaaaat cttcgtcttc gttttgtct ctctatgggc cgttttcttc 360
aaagccggtg gtctcnattg gctcatcant ctattctcaa ntcggtactc tccctaaaca 420
ctcnccgtta tgggcataac tttgcntcaa ggccaatggt atg 463

<210> 2051
<211> 462
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-H4
<400> 2051

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gcgacaatcc cagcggcttt gcagctcgtg ctagaaggaa gatataattgt tgcagtgatt 120
ttatctgtga ctcatcttgt gctaattggag tatgggtgctt cagagattca agatgacatt 180
cctgggtcca atgcttacct tactggacta agtattattg gtggagtcac tctgtttcct 240
tctgctctag agggagcgat aatggggccg ttgataacga cggtggtgat tgctttgaag 300
gatctgtatg cagagtttgt tctgaatgag ccaaagaaga tcaattaagt tgttattggt 360
ttctttaata ggagcttcaa gtgcttttgc cgtggctgct ttgtccttgg nagaagattc 420
atgtagatta gtagagagac caaagtgttg aattgaaatg tg 462

<210> 2052
<211> 381
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-064-Q1-E1-H9
<400> 2052

tcctccgat gtcaacatat tttattgtct aggcggaatt acccttactt gttttttagt 60

acaagtagct acgggatttg ctatgacttt ttattaccgt ccaaccgtta ctgaagcttt 120
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 tcgatgggtcg gcaagtatga tggtcctaata gatgatcctg cacgtatttc gtgtataacct 240
 caccggtggt tttaaaaaac ctgcggaatt aacttgggtt actggtgtgg ttctgggtgt 300
 attgaccgca tcttttggtg taacagggtta ttctttaccc tgggatcaaa attggtnatn 360
 gggcgggcca aaaattgtna c 381

<210> 2053
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n.locations
 <223> Clone ID: LIB22-065-Q1-E1-A10
 <400> 2053

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 cagctgagaa catcgagggt ccaccaccaa aggctgtgga gtcggaggaa gtcaccancg 180
 tctccgagtc tcttccaact ccggttaacaa gaatctcaag cgctgtcga agtaacaact 240
 aaagatttgg ncntggnaaa gacaagagaa accaatcgaa gaaacanagg aaactcaagt 300
 tnaaactccc gnggttntgg ggatttngaa agatnnaaga anctcccgtt gaaantcccc 360
 gtggngtttt tnaggatgat gaacacnaca gttg 394

<210> 2054
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-064-Q1-E1-F2
 <400> 2054

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 ggacacaaga tgccttgcca tgtgttcgag agattcaaaa gcgaagatgg gaagtttaag 120
 gaaagtttag ttggggatgt tagagggctg ctacagctgt acgaagccgc gcatctagga 180

CCCTTCTGTT CAATATATAA TGACTGAAGC TAACTTTGGT TGGTTAATCC GATCAGTTCA

gcaccatctg aagatataat ggatgaagcc ttaagttttg cgcggtatca cttggaaccg 240
 ttggcangca ccgaaacaag ctctaatttt tttaagcatg tagaaaacgt tttgtataag 300
 agctcgatat catagcatag nagatactag tagcagcaca gtacatctct ttctaagatc 360
 aagaagaaga ccaagatgag acgctcccta aggtttcaaa ngctca 406

<210> 2055
 <211> 517
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-063-Q1-E1-C4
 <400> 2055

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 ccgacganag aaaccaanga acaagtnana aangcggtng aagcanaaga atggagctcc 180
 gtggagaacg ccaccaatcc gcctgtctcc cgtcaanggg gaaatcagcc gaaagtcttt 240
 ccgagcaagg atctgatgng agatgcanga caatgttggg gaaagatgaa gatcgagaaa 300
 ggataanacg gnggagttac ttaaggagaa agatgagatc tgaganagaa ggaggaggaa 360
 gctacaggac cagaggacgc tgangcaagg anaagctcaa aggtggagct gaagnaagct 420
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<210> 2056
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-063-Q1-E1-C6
 <400> 2056

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 cagttagagg agcatactgt accgggaatc ttgaagggtg atatgtatca tgggtggcgaa 180
 aggacagacg atgttaatga gcttatgaag tatgacatag tgttgactac ttacggcact 240

ttagctgttg aggaatcgtg ggaagattct cctgtaaaga aaatggagtg gctgagaata 300
attcttgatg aggcacacac cattaagaat gcaaatgctc aacagagccg agtagtttgt 360
aagttgaagg cttcccgag atgggctgtc acaggaactc ctattcaaga atgg 414

<210> 2057
<211> 385
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-063-Q1-E1-C7
<400> 2057

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tttagagatta ctttgtatcg 120
atttagctat tcgagaaact cttgccgttt gaaagtttta attgttaaag atgtcgagtt 180
ctatggaatg ttctgagttc gtcggtagcc ggagatttan tgggaagaag cctagcttct 240
cacagacgtg taagtcgatt gagtcagtat ctaaangaga acggtagctt tggagatctg 300
agcttaggaa tggcatgcaa acctgatgtc aanggaactt taggcaactc aacgtcagcc 360
gacaacaccn aggagtttat tcccc 385

<210> 2058
<211> 411
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB22-063-Q1-E1-C8
<400> 2058

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tcctcattgg tcttgtcttt atggtggtta tcatcatagc cagagaccat tttgctatca 180
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taaccatggg tctcaacagt gtgcagccgg ttgtttctgg tgtggctggt ggaggcgggt 300
ggcaaggctt agtggcctat atcaacttgg gctgttacta catttttggc cttccctttg 360

gatatcttct tggttacatt gcaaactttg gagtgatggt tagagaattt a 411

<210> 2059
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-063-Q1-E1-C9
 <400> 2059

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 ctgangatga gttccatgat atgtcagata tgcagtgggg aagatgaaag gaagaagttg 180
 ctccattgtt ctgaatgtga caagcttttt catccggact gtgtggttcc tccagttata 240
 gacttaccat ctgaagcgtg gatttgcttt tcttgtaagg aaaagacaga ggagtacatt 300
 caagcaagac gtctttacat tgccgaattg cagaanangt atgaagcanc gcttgaacga 360
 anatcanaga tcatagagat catccgttct ctgaatcgtc caaacaatcc c 411

<210> 2060
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-063-Q1-E1-D1
 <400> 2060

acgcgtgggt ttttaattttc ctctctctta cacacacaca tgataaaaag tgttttagaga 60
 cagctcttct cttcttggtc tcagtttgag agaaacaaaa cttccaata caaccagaga 120
 gtcgacgaag aagaaagaaa ccatgtccca annnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnaaaccca tttccgccac tacanttatt caaaaattca aagaagcccc 240
 acagttttac aattctgcag gattgcccct taatcgatga ctccgagtcc gacgatgacg 300
 tggtcgccaa ancaatcttc tgctcacgtc gaagctgtcc acgtgggcat gacactcgac 360
 gncgcctana ttcggtggctc antcgccggc tggttctcnc cgtcctccca agaatt 415

<210> 2061

<211> 457
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-063-Q1-E1-D3

<400> 2061

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caaccggt  cganccacgc gtccgcttaa tccatttttt caaaccactt gcaaaattcg  60
aatcagatct tctcttcaat cgaaaaaaaa gaaaggattt gctctagatt gttgaatcga 120
agatgtcgac aagggaagag aatgtttaca tggcgaaatt agccgaacaa gctgaacggt 180
acgaanaaat ggttgaattc atggagaaag ttgcgaaaac tgttgatggt gangaacttt 240
cagttgaaca gaggaatctt ctctctgttg cntacaagaa cgtgattgga gcgaagaaga 300
gcttcgtggg agaatcattt ctctcattga gcacaataga agagagcanc gggaaccgaa 360
gatcatgttg ccattatcan aggggttaca ngaggaaagg attgaatccg agcttatcaa 420
aatcccgatga atggggattt tgaatngtcc ttgaaac 457
```

<210> 2062
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-063-Q1-E1-D4

<400> 2062

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tttaggtaaa tgatcacagc ttattacaga tggaagagaa gctgactcaa tttgtggttt  60
agatttgtca aagaggatcg tgtggaatct gaaagttttc aattttcact aaaaatagga 120
ttagagttaa aaaggaggaa gaagaaatgg ggaaacacaa atctttcaga agcaaagcag 180
tgcactttgt caccgatnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnggatg aggaagatga gtctaagaga aatcagctag 300
agtctacaac tgcagagcag cctaaggatt tggttgacga accaagacac ttcttctttc 360
tctgcattcc ttgggttact gttatcttca gattccaang 400
```

<210> 2063
 <211> 428
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-063-Q1-E1-D9
 <400> 2065
 acttcaaaca cttgagaaaa aagcttttga tttcacatct taatctaaca agtcaaacac 60
 ttttcaaacc acaaaattcg tcaaagctct gaaacaaata aacatttttt aatttctccc 120
 tttttaatgg aaatctcttc tttccattt ccatacctac aagacgacga gtgttcccat 180
 ttccttggtc tatttcaaga catggactct tctccttcta ctttcggatt agaaggtttt 240
 aatagcaacg acaataatac taatcaaaag aaacgcccaa gaaaagacga cgaaggcggt 300
 ggtggtggcg gcggaggaac agaagttcta ggagctgtta atggtataa taaggctgct 360
 tttggagata tactcgcgac gcttctgttg ttagacgang gaagccaaac 410

<210> 2066
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-063-Q1-E1-E1
 <400> 2066
 ctctgcacat ttctgggttc ttctcttctt atgctctgtt tcttttaaga cacagaagaa 60
 acagtacaga gttgagattt tcttaaacia aagtgaaaag agaagaaaca agtgacagct 120
 caaacggaca aaaaccactc ttgggtcttt cttgcttctg attctttctc ttctctaata 180
 gaagaaaaca tctagaagct aaaaaaatgt cggaaggagt agaagcgata gtagcaaattg 240
 acaacggaac agatcaggta aacggaaacc gtaccgggaa agataacgaa gaacacgacg 300
 gntccaccgg ttctaacctt agcaatttcc tatggnacgg tggctctgtc tgggaagctt 360
 ggggtcagct gcgcattctaa ccaagtgggn tcaaagttgt t 401

<210> 2067
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-063-Q1-E1-E10

<400> 2067

nctctgattt ttttcaattc cgatggaggc gggagagcgg cgcaatggcg attcgatgag 60
tcacaatcac cgcgcaccga agaagccacg tctcgctggg ttattaaccg agtcagatat 120
cgactctgag ttcgctcacc accagaccgg tgttgccaga atcaacaacg gtagcttcgg 180
gtgctgtcct ggctccgttc tcgaggcgca acgcgagtgg cagcttcgtt atctccgtca 240
gcctgatgag ttctacttca acggtctccg tcgtggactt ctcgcttctc gaactgtgat 300
cagtgccta atcaacgccg atgatgttga tgaggctctc ctcggtgata acgccaccac 360
tgctgctgct antgttcttc agaaagttgg aaaggtgttt ctcgggaagg g 411

<210> 2068

<211> 461

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-063-Q1-E1-E2

<400> 2068

ttgcngggccc ggtccagaat acccgggtcg anccacgcgt ccgtgaangg cttctttttc 60
ctaattctcat tgttgattgg gttctcaagc tcttacagga aaaggagatc tttgaaattt 120
tgcagctgct actccccatt gtgtatggtg ttttagagag tattgttctc tctcagacat 180
atgtncagag tcttgtagct attgctgtcc gtttcattca ggaacctgct cctggtggat 240
ctgatcttgt tgataactct cgaagagctt atactcgatc tgctctaatt ganatgggtc 300
gctacttggt acttgctgca cccgacacat ttgttgcttc agatttcttt cctcttcctc 360
cttcngtaa gcagcatgtg gacctaaagga tgtgagctat acgtcaaagg cttatganaa 420
tctgngaana agctnagaaa ntaactctgn cggaagattt t 461

<210> 2069

<211> 395

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-063-Q1-E1-C12

<400> 2069

gttctctcaa tttcattctt aaaccctagt tcttcgattt tttccgatct acgacaatgg 60
 cggacgctga aacctttgct ttccaagctg agatcaacca gttgctttcc ctcatcatca 120
 atacctttta ctctaacaag gagatcttcc tccgtgaact catcagtaac tcttctgatg 180
 ctttggacaa gattagattc gagtccttga cggacaagag caagctcgat ggtcagcctg 240
 agctcttcat tcacatcatt cccgacaaga ctaacaacac cttgaccatt attgatagtg 300
 gtattggcat gaccaaggct gatttgggtca acaaccttgg aacaattgca agatctggaa 360
 ccaangaatt catggaagca ctggctgcng gagct 395

<210> 2070
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-063-Q1-E1-E3
 <400> 2070

anaggcagcg tgctgcgcan agtttgatga agaaagctat tcaggagacg aggtataagg 60
 agagtgtgcg tgctgcgatt tatcagaaga gagcagctgc agagagtaag cggatgggga 120
 ttttggaaagc ggaaaggaga agagcgaatg cgagattgac tccggtgttt ggtgctgcta 180
 gttctgtgcg gagtcaaaag gaagctgaga gaaggaaaat gaacgaccgt ttagaagagc 240
 ggcttcaaag ggcaaagaag ctgaaagcgc aatatatnag gcgaaggaga ggtattggat 300
 agttgttcat cttcacgatn agaaacantg cgaaagaacc aagtgcacat tgttaagatg 360
 ttagtaagat gcttgganng angatttgcg aaatgcaaga agtcctacnc tttggtcttg 420
 g 421

<210> 2071
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-062-Q1-E1-G12
 <400> 2071

cgacaactcc ttctctctct taaaacaaat tttttttttc tctctacaaa gctccgccgc 60

cgcttagggt taccggttcc ggtggctttt tcagcaccgg aaccggattt ctttgtttta 120
 gtgtctctag ttctgatttc ttgtgggttt aatgtgatct gaatcctatt ttcttctaac 180
 ggtttctttt ctaaattctc agatctaaat ctgtaaagtc taaatctttt cctcttccgg 240
 ttttgttgct tgtttgtctc ctctgtctgc aagtttcaat tctggccggt ccaactatgg 300
 cagaggcagg tttttttcta accttcaacg cctcagatgc agatctctct ccattgaaga 360
 tctagatntc cttcctttcc tccttganaa cttggtct 398

<210> 2072
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-062-Q1-E1-G4
 <400> 2072

acgcgtccgg ggcttttaggg ttataagac ccaaacaaaa aacattcatc agtctcaatt 60
 caaaatcctc catcaatgga gaaatacgag aagctcgaaa aggtcgggtga aggaacctat 120
 ggaaaagtct acaaagcaat ggagaaaacc accggaaaac tcgtcgctct gaagaaaact 180
 aggtcgcgaa tggacgaaga aggtatacca ccaacggctc tccgtgagat ctctcttctc 240
 caaatgcttt ctcaatcaat ctacatcggt cgtctcctct gcgtcgaaca tgttattcaa 300
 tcgaaagatt cgactgtttc tcaactctccc aaatccaatc tctatctcgt ttttgagtat 360
 ctcgacactg atctcaagaa atttatagat tctcataag aaaaggggct cgaatcctan 420
 accgcttgag ggttctcttg 440

<210> 2073
 <211> 379
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-062-Q1-E1-H10
 <400> 2073

cgcgtccgcc caccggtccg cccacgcgtc cgcccacgcg tccgcggacg cgtgggtgcg 60
 aatctgaagg atctttacga attccataat cttcagatcg aaagggttct atcgattcgt 120

tggccaagag gagattgtgc gtgtgattcg tgagcatggg ctgttcgttt tcaggattga 180
 acgcacttta cgacgccgtc aacggtggag gtgacgatg gatcaatgag aatcgattca 240
 ggatcgtgag gcagctcggc gaaggagggt tcgcattcgt ctttttggtc aaggaaattg 300
 tcgccgacgc ttctctcgcc gcatccggtg gtgggtctaac caaganagtc aaggatccgg 360
 ctcanctctc cggtcgacg 379

<210> 2074
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-062-Q1-E1-H11

<400> 2074
 aaaacctaatt cttcatcttc atcttctccc gccgtcggcc gtaagagggt tcgaagaagc 60
 aaagtgagca acaatggcgg gaggcaagat caggaaggag aagcccaagg cttcgaatag 120
 agcaccatcg aaccattacc aaggaggaat atcgtttcac aaatcgaaag ggcaacatat 180
 ccttaagaac cctctgcttg tggattcgat cgttcagaaa gctggatatca agagtaccga 240
 tgtgattctc gagatcggtc ccggtactgg gaaacttgac caaagaagct tctagaagct 300
 ggcaaagaag ttatcgccgt cgnaacttga ctctccgtat ggttctcgaa cttcaacgc 360
 cgtttttcaa ggggaattccc ttctccnaac cgccttg 397

<210> 2075
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-062-Q1-E1-H12

<400> 2075
 cccttccctt ttgggatatt ttcgccgct ggattgatat gacgactctc tttcgccgga 60
 agtcaatcgg aatccgcgac aacttcttcc ttcaatccct ttgatttttt tttggctcta 120
 cttatcccaa acccttcaaa tcttcaggtc caatctcttc ttctatttgt tttttaatta 180
 aaaaaatccg gcgaaagggt aagctcttgg attcgagtgg tggctagtaa tcgatttcgg 240

tagtttagaa gtagtttata ggttttatca agctttcgat ttgatggagc cgcgagtcgg 300
aaacaagttt cggctcggaa ggaagatcgg gnggtggatt attcggagag atctatcgtg 360
ggaccaanat ccaaacngaa tgaagaagtg ggcgttaaac gttg 404

<210> 2076
<211> 445
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-062-Q1-E1-H3
<400> 2076

acgttatcca gccgggcccc gtccgaacan aacgggtcga gccacgcgtc cgctcaaaaa 60
ttcgatcttt aggggttttc ttttancctc ttatcgctaa tctggagctc tatanagact 120
ataaaggggtt ttgattgat tcgggagctc gagatttgac ttcttttagc tgattcggca 180
agtttgtatc nagaaaggat ccattgggtga ggtcaatagt ggttgggtggg ttttagtaat 240
ggaagacggg gagcttgatt tctccaatca ngaagtgttt tcgagttcgg ngatgggtga 300
attaccacct agcaattggt cganggatag tttctttgat gggcttttaa gtggnnacga 360
atgctgcgtg tnccacaca cacacctggt nccccactg ggagcaggnc aanactcaga 420
ctcacaccgt gntccatgg tccac 445

<210> 2077
<211> 420
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-062-Q1-E1-H7
<400> 2077

acaaacaaca tcctcgttgt gtttccatct aaggaatctg tcaactgaatt gcaaccaaga 60
atggatgata tattgaaatg cccctgtgat ggcataattg tgacagctgc tggttctaca 120
ggatcgctct atgattttta cagtcggtac tttgctcta agttcggagt tgatgaggac 180
cctgtttgtg gaagtgcaca ttgtgcattg gcacattact ggagcatcaa gatgaataag 240
tttgatgctc cagtaatgtg gnagtgcaca ttgtgcattg gcacattact ggagcatcaa 300

gatgaataag ttgatttct tagcctacca agcttcgagt aggagtggga acgataagga 360
 ttcatctaga caaggataag cagagggttc tcctgagagg caaagccgtt actgtgatgg 420

<210> 2078
 <211> 451
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-062-Q1-E1-H8
 <400> 2078

acgcgtccgg ttctaagatc ggcgaagcgg ccaccnnnnn nnnnnnnnnn nnnnnnnnnn 60
 nnnnnnnnnn nnnnngaaca taaaaactat acctcgacga aatacaatcc taattgagaa 120
 ccaaaaaagc caacgacctc tcaaatacaa gaacgggggt tttgtcttca aaatgaaaag 180
 ttgcaagag aaaaaggggg agaggagag agtctcagac aataccatat taacaccaa 240
 gaacgagttt ttggaagcaa aagagaccaa ccacacttac tactgggtcag ggccaaaatc 300
 aaaaccctt acctggaaaa agtatatanc cattttaggt atcaaataa aaattggagt 360
 ccnctccaca atcctaccct ccgcnccaaa aaccaaccaa ccntggatc cctaacatgn 420
 cataagccat gtcctctctc ccnaaattgg t 451

<210> 2079
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-063-Q1-E1-A12
 <400> 2079

ggcccggcac antgtccaaa nctcncggg tcgacncacg cntccncgat gnnnnnnnnn 60
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnncta gaaatcgaga gagattggtg gaagattttt caccagattt catgggagaa 180
 gaagagagtc gaattggaga cgagctttcg attttggttc tcacggcgga gcgactccgt 240
 gtagctgtgg atgaagctga atcattcaaa acagagtgtg gcgagggttg taaacaagta 300
 gatcggttg ctcaaagct tagaacactt gttcgattcg tctctagttc ttctcaacaa 360

gtttatgatc ggccgattcg tagagttatc gtcnatgtga agaagaatct cgagcgtggg 420
 ttttgctcnt gttcggtaag tgtaggagac ac 452

<210> 2080
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-063-Q1-E1-A2
 <400> 2080

ctcaatacac cccagaaagt ctttactaat tagctttggt gagcttatca aagtggcaaa 60
 ttataagaca ttgcatgatt tggatatcag cttcatgttg tggctgaaga cgaagggggt 120
 taataactta tgtctattgc cacatcatct ttctcttttt ctacaattac agttaccttc 180
 cagagagaaa aatattagat ggaatttcct ttgtcgtacc ggcaggaaaa agtgtggcaa 240
 tcgttggtag tagcgggagc ggcaagtcaa caattcttag gatgctattc agattcttcg 300
 acacagattc cggaaatata aggattgacg ggcaagatat aaaggaagtg agactaagat 360
 agcctccgaa gctccatagg agttgtgccg caagatactg ttctcttcaa tgacac 416

<210> 2081
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-063-Q1-E1-B1
 <400> 2081

acgcgtccgc ccacgcgtcc gccacgcgt ccgcccacgc gtccgcttgt gctatctttc 60
 aagcaagttt cgttgcaggg ttgatgatgt tatctttatc tactggtgcg ttattgcttg 120
 aaccaagtgg ttgtggagtt gaagattcgc cgtgtaagcc tcattcgacg ttaagacgg 180
 ttctgtttta tctgtcgggt tatctaactg cgttagggtg tgggtggttat cagccgaaca 240
 tagctacttt tggagctgat cagtttgatg cggaggattc cgttgaagga cactcnaaaa 300
 tcgcgttttt caagttactt ttacttggnt ctgaatcttg gatcgctctt cncaaatact 360
 gtcttgggggt tacnttgagg atnaaaggga atgggccgcc ttggantttg ggcggtccgc 420

<210> 2082
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB22-063-Q1-E1-B4

<400> 2082

 agttcttggg ttcttttctt gacattcccn atgagccana acagatccca tatgagccac 60
 agaatcttac ctcatgcaac aagatnaatg atgaatctna gagaggantt aagattanag 120
 ctcgacnagc acaagccccg gggtgtgtgt agcagtttgt aatgcanggc gatgcctcaa 180
 gaaggctgcg tcttcagggt aaccttaaca gccacaagtc agaaactgac agtacacaac 240
 ttcaatttat caanaaagan gttaaggaca caacaacnga aactatgacn aaaggatgtg 300
 gaaatttcac aatgatcaan gagcaggnet agtttcanat tcaagaaaat tgcaaccatg 360
 ggatgttcat acaganggct tttcagaagt cgggtgtggt accggttgtg tgtgtgaatg 420
 t 421

<210> 2083
 <211> 345
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB22-063-Q1-E1-B7

<400> 2083

 aaattccgcc ggaaatgttc gatctttcta agcttgtgtg tgggacttat atagacagta 60
 ggttacttgt acttaggtgt gtaaattggt cagcattgtt gttcacaagg tccagcttgg 120
 accataagtc tatgtagcca tttggctcag gttcttatgt atataacaaa tgaatcattc 180
 tttttgggac taaaccgttg tagtctctgt gtatgttgtg gtaatgtatg cttttggctt 240
 ttaggttgta ataagagctt tttagtaaaa gctttatact atggtattct tttcatgatt 300
 ataatagaaa cacaatgatt tgcaataaaa aaaaaaaaaa aaagg 345

<210> 2084
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-062-Q1-E1-F6

<400> 2084

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acgcgtccgc agagcttttg agtcttctaa atctctatcg aatttttcta gggtagggc   60
tcctgatcga ttctcgcgagc tctgcgatta ttttaagtat taggatccga aattagaaat  120
gggtggagag ggagattcaa gtcagccgca gagtggtgaa ggagaagctg tggctgtgaa  180
catcaggtgc tctaattggca cgaaatttag tgtgaagacg agtctcgatt caacggtgga  240
gtctttcaaa gagttggtgg ctcatagcag cgatgttcca gctaatacaag cagcgcttga  300
tttacaaggg tcgtatcctc aaggacgac aaactctcct cagctatggt ttgcangctg  360
atcacaccat tcatatgggt aaagggctct gcaccttctt cagcaccaac ctccctgctc  420
cg                                                                    422

```

<210> 2085
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-063-Q1-E1-C1

<400> 2085

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cgggtcgacn cacgcgtccg atggcggttct cgagttccat cttctctgtt antcagtttt   60
cttcttcgtt agcttcgcgt ccttcttctg caatcagtag gcagactcgt tttcccgtc  120
aaattgcttc tccagatcta tcgctgctt tgntcgatga tcgccggaag ttcgtcggag  180
gtgtaatgtc tctcttgacn aagagtatta aaaaccgtgt atatgcttcg attaacagca  240
ttgattcggc cgctactcca tcgtanccga aatcggnag acgatgacga cgttgttcca  300
aacgccaang gttatgatac accaaggatg gctgaanccc ngaagctact attgtacaag  360
cncagttttg ggaaaccgtc gttggggctc ctaattgaca caaangngg gcgntgaaaa  420
gatttgnggg atttgg                                                                    436

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<210> 2086
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-063-Q1-E1-C11

<400> 2086

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tccgcagncc ggcacaggtc cananacnch cgggtcgach cacgcctccn nnttnctgca 60
ntttngtgag agagaagaga tctaaaaaaaa tccacaattt tgttcaaatac ttggaggttaa 120
atgctgaatt ttaggccttg ttgcttanat ttatggctta aagtttcaaa cttttcattg 180
gatatgtgag aagaaaatgt caggatctga gacgggttta atggcggcga ccagagaatc 240
aatgcaattt acaatggctc tccaccagca gcagcaacac agtcaagctc aacctcagca 300
gtctcaagaa caggccattg tcattcggtg gagacgacgg aactgctctt tacaagcagc 360
cgatgagatc agtatcacca ccgcagcagt accaaccxaa ctcagctggt gagaattctg 420
tcctngaaca tgaacttgcc cggangtgag tccgg 455
```

<210> 2087
 <211> 371
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB22-062-Q1-E1-C12

<400> 2087

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ttanacgat caagctttga gtgatcagac ggaggctgtt attgtcaatg cattggagtg 60
cttatccaca ttatgcaaga gtagtttctt gcggaagana gctctcctcc aaatgatata 120
gtgtgtttat cctttgttgt gctatccatc ncaatgggta aggagggcag ttgtcacttt 180
cattgccgca agtnntgaat gcttaagtgc agtcgactct tatgcnttta ttgccccang 240
taatacgctc ttancttagt aggactgnct gcgtcaattg cttctgagga aagtctactt 300
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aaggaaccca g 371
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<210> 2088
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-062-Q1-E1-C2

<400> 2088

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aaggatgtct taagcatcag cttgtgctgt caatgggaat cacctggtcg catgctacat 120

gagcgatgta aagcatattc tgcaaattag ggacttgaaa tctggttcat tgcttcacca 180

attacctcta natattgggt cagtatctga tgtttctgct cggcgcaagg acaatacctt 240

tttctttanc ttactagct ttctcactcc tgggtgtgat ttacaagtgt gacgtagcca 300

atgaatctcc anaagttaac gtattccggg aggttactgt acccggaatt tgacanggga 360

agcatttcaa gnncttcat ggctnntcta tccaagtan cngnttggga caagatanac 420

ctaattgttta ag 432

<210> 2089

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-062-Q1-E1-C4

<400> 2089

taatcaaaaa tggagtatag gtttcatatc tctcgctttt ctcttcatca ctctctcttc 60

agctgagttc atcattcaac aggtcacaaa gggcagagga atagagtaca acagttctta 120

cagtctcgag gagaatcttg gngtgacaag agagttgaga gaagagcgac catcgagtaa 180

gatagtgaca ataacaagct tctcagtgat taaaggcaga ggagaaccct atgaatcctc 240

tgtttttgag gctgctgggt acaaattggag attgggtttt tacgtgaatg gtaataaaaa 300

cgacggtgga aatgatcata tttcccttta cgcaaggatc gaagaagacn aactctcttc 360

cattaggttg ggaagtgaaa tgttgatctc aaaactcntt gtccataatg gggaagctac 420

acnaa 425

<210> 2090

<211> 426

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-062-Q1-E1-C7

<400> 2090

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ccgatactcg gagaaaggta aagagcatgg ctacgacaaa tataggaaag gaggagaaga 120
aaagagtcga gatttatgat ctcaagaga atttagtgat tgatttggct aaattcacag 180
cagatctctc cgataagttt tgtaaagaga gaggcgcttt caccgctgtt gtctccggtg 240
gctctctcat caaatcactc cggaaattac gtagaatctc cttacgttga ttctatagat 300
tgggcaaggt ggcatttttt ctgggttgac gnagagagtt gttcccaagn aatcacgatg 360
atagcancta tanactcgct tatgaatant tttctatccc anggtaccaa ttccgcctgg 420
aaatgt 426

<210> 2091

<211> 477

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-062-Q1-E1-D3

<400> 2091

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acttgtaaac aaggagaaat cgaagcgggt gttatagcca ctggagttca caccttcttt 120
ggtaaagctg ctcaccttgt ggacagcact aaccaagttg ggcacttcca gaaagttctt 180
acatccattg gaaacttctg tatctgttct attgctattg gtatagcgat tgaaatactc 240
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ttgatcgggtg gtatcccat tgctatgcc acggtcttgt ctgtngacta tggctatcgg 360
gtctcacagg ttgtcncanc aagggtgctat caccaaggcg tatgacaggc cattgaagaa 420
atggcgggaa agggntgtcn tttgcaagtg acaanancgg ggacactaac cctctan 477

<210> 2092

<211> 420

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB22-062-Q1-E1-D5

<400> 2092
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 ttctgggtctt ctctcagca catccgtcgt tgcgctgga tccttctgtt atggctgcgc 120
 catgtcatat tcgtcgctg ctgagtcctc aatcatggaa gaactgggac tttccgttgc 180
 agattattcg tttttcactt cggtaatgac attaggagga atgattaccg ccgtgttcag 240
 cggtaaaatc tctgctctcg ttggctcgtc acagacaatg tggatctcag atgtttgctg 300
 tatttttggg ttggctcgtc tagcggttgc acatgatatt ataatgctta atactggacg 360
 actcttcttg gggtttgggg ttggctcctc tagttatgtg gttcctgtgt atatagcaaa 420

<210> 2093
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-062-Q1-E1-D6

<400> 2093
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 aagctgaaga aaggtgattt cgttgatgag agttctgcaa ctactgaatc cgatattgaa 120
 gagactttta agaggctcgt ttccgatctt ggtaagtctc ctgaagagat ctttgatgcc 180
 ttgaagaatc agactgtgga tctggttttg actgctcctc ctactcagtc tgtgcgtaga 240
 tcattgcttc agaagcatgg gaggataagg gactgtcttg ctcaactcta tgcaaaggac 300
 attactcctg atgacaagca ggagctagat gagtctctgc aaagagagat tcaagctgca 360
 ttccgaacaa gatgagatta agaagaacac ctccaancc acaagatgaa atgagaactg 420

<210> 2094
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-062-Q1-E1-D8

<400> 2094
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gtcttgcggtt cacaaagttg tctcactctc aatggactga ttacttcctc tctgttccca 120
tcgatgattc ggagtttagac gctattacaa gagagattga cataatcaag cctgaagtta 180
ggaagctcct atcttccaaa ggtgatgatg agacatcaaa gaggaaagtg cttttgatcc 240
aatcgcttct tagccttggc ctgcatttc attttgaaaa tgaaatcaan gatatattan 300
aagatgcttt tcgaaggata gatgatataa ctgggtgatga aaatgacttg tctacaatct 360
ccatcatgtt ccgcgttttc agaanatacg gacacanttt ncatcaagtg tattcaa 417

<210> 2095
<211> 429
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-062-Q1-E1-E3
<400> 2095

acacgtccgc ccacgcgtcc gattttgatt tggttttgta gcctacgaat tcgaatcatc 60
ancatcatct tcaacaccag cttaacgaaa atggagtata ataagtggcc acggactagt 120
actctctcac caacttcac ctctccaagc aaaccctaac cctaaccacc accatgtcgc 180
tacctctgct ggtcttccgt caaggatggg tggatcgatg gcggagagag caaggcangc 240
cancattcct ccactaacgg gaccctaaa gtgtcctcga tgcgactcca gcaacactaa 300
gttctgttac tacaacaact ataacctcac tcagcctcgt cacttctgca aagggtgccg 360
ttcnctactg gacacaagcg ggggcacctg agaaaacgtc cctgtaggtg gaggctgccg 420
gganggaat 429

<210> 2096
<211> 389
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB22-062-Q1-E1-E6
<400> 2096

gactcttttt atgaaaacat tcatcaaadc ccgagaggag aatgaaaaac aagccgaggc 60
tgagaagaag aaactggaga aagaagcaat taaagagaag tcagcgacaa agaaagatgg 120

cgctcgataac gacaacgatc ttatccagca gatccataga catagaacat gaacaaacat 180
 cgggtcttgaa cggaagaccc gaggttttca gatcgatcga taaaagcttt gttttatagg 240
 actcaatggt gcacatacgg aacaagagca gagatctttc ctaagatctt aagacaaagt 300
 agtcaacgtc tatgatgttt agatggaagt gttttatctc tgatcacttc attgatgtaa 360
 aatcagaggt tcgtatttat gtcctagaa 389

<210> 2097
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-062-Q1-E1-E7
 <400> 2097

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 agagggttact gtagttgaaa aagcagagtg ttctgatgct aaagatgtag ctgtggacag 120
 tgatgaacct gcgtagagag aagatgatga agggttggta gttgcagaaa atgttcatgt 180
 tcaaagtga ggtatagatt gtgattctcc agttagcggg ggcagtaact ctgattcacc 240
 acccgtacca gtcaccac caaaccttc ttccactgtc aatcctggta gtaacagatc 300
 ggttttggga agttttggcg ctttacgaat tggaccaaca cgaagagctg ctgggcctcg 360
 ctctcttggt tccagtagga gttcgccaac tggatcacat ccttcttctc caagatcaca 420
 cagtgagaac gang 434

<210> 2098
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB22-062-Q1-E1-E8
 <400> 2098

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 ttgacatttt gagacatgaa atgatcttgg gttgatgttt gtatggtagc agaggaatag 120
 tagtcatgaa gcttatttca cttgttagaa acgttcgttc tcgccaatgt caaccggaag 180
 taatctgggc tgtgcaagtt cgtttcttgc agcaagactc tgtctcgaaa gctaaacca 240

agaaatacaa ataccgtca gtttatgatc cgtatggtcc tagaccccag ctttcaagca 300
aatcatgga gctagctgag cgtatagctg ctttatctcc agaagaaaga aaacagattg 360
gtcctgcact caatgaacac ctgaggcttc caaaacaaca gatgatttca tcgggcgg 418

<210> 2099
<211> 398
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB22-062-Q1-E1-F10
<400> 2099

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atcttagcac agcagaattt tctatgcggg aggaattatc acttaaagct gctattcttg 120
ctgagaagtt tgctcctgat ctttcatggt atgtagatgt gatccttcag ttgatcgaca 180
aggctgggga ttttgtttagc gatgacattt ggtttcgtgt ggttcagttt gtaacaaata 240
atgaagacct gcagccttat gcggcatcaa aagcaagaga atatatggac aaaattgcaa 300
tccatgagac catggtgaag gtcagtgttt atattttggg ggagtatggt caccttttag 360
ctaagacaac ctggatgcag tgcaagtga ctcttttag 398

<210> 2100
<211> 403
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB22-062-Q1-E1-F12
<400> 2100

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tgagtttctt ctcaaaagtc tcacacttga agacgttcca ggccatggca gagtccatta 180
catctgtaat tcttggttt accctgctaa acactacact acagaccgag tcttcttctc 240
caacaagact tatcttcac atgaaacacc aagcgacgct gctcaagtat agagaacgaa 300
gagctagtga gtttgagagg aaccggcgaa ggagagctta aggaatggga cagagtatat 360

gactaangct tactacaatg atttaggggt cccaccaaag gaa

403

<210> 2101
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-062-Q1-E1-C10

<400> 2101

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gatctggagc ttgagcatca ccgaaagata gattctttca acagcggtag gaccgctcta 120
accattgtga gacagggtag tgttatttat atagcaaagc tcggggattc acgtgcggta 180
ttggccacag ttccagacga aggaagcttg gtcgcggttc agctcacctg agatttcaag 240
ccaaacctgc ctcaggagga agagcggata atcgtagtca acgggagagt attttgcctt 300
caagatgagc caggggtcca ccgtgtatgg caaccaagta gatgaatctc cggggctcgc 360
aatgtcaaga gcattcggag actattgtat caaagattac ggattggtct cagtgcctga 420
agtcactcag aggcataatat ccattagnga ccaattt 457

<210> 2102
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-062-Q1-E1-F3

<400> 2102

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gttactgagc gtgaacttga ggatgagttc cgtgcctttg gagttgtcag gagggtttgg 180
gttgcccgtg gaccacctgg ttacgctttt ctagatttcg aagatcctag ggatgcccg 240
gatgctatcc gtgctttaga tggcaagaat ggctggaggg ttgaacagtc tcacaatcga 300
ggtgagcgtg gtggcggcgg tcgtggtggt gaccgtggag gtggtggcgg cggccgtggt 360
ggtcgtggtg gctctgattt gaaatgctat gaaatgccgg tgagactggn catttcgcac 420

gtgaatgccc gtaaccgttg gtgggaactg gaacgcgtcg caacca

466

<210> 2103

<211> 464

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-060-Q1-E1-G2

<400> 2103

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caatggaggt tgagaagaca gagaagaaca ttgcagagga tgatgagtct aagatcatct 120
acagaggatg gaaagtcatt cccttcatca ttggaaatga gacatttgaa aaattgggga 180
ttgttgaag ttcattgaat ctgggtatat acttaacgac ggttttcaac atgaagagca 240
tcacggctgc gaaagtcgtc aacatctacg gtggcacaag caactttggc accatcgctc 300
ctgctttcct ctgtgactcc tactttggcc gctacaagac cctatctttc gccatgatcg 360
cttgcnttct cggttcgggtg gcaatggatn taacgggctg tgatcaancc cctgcanaca 420
gntcaatggn cctanggaaa ttaggaaacg tntccaatgg ggca 464

<210> 2104

<211> 443

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-060-Q1-E1-G3

<400> 2104

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ggatggctta gaatcctaca tcgtccatgt 120
gcagagatct cataagcctt ccctcttctc ctcccacaac aactggcacg tctctctcct 180
tcgtctctc ccttcttctc cccaaccagc aacgctgctc tactcttatt cacgcgccgt 240
tcattgcttc tccgctcgtc tctccctat ccaaaccgcc gccctccgcc gtcattcttc 300
aagtcattct cgtttatcct gatcaagcgc gtgagatcac acaactcaca cgctgcctt 360
cctcgggttc tcccaaaact ctgggactct ggagcaactc aaantaaggg gaaagacgtg 420

attggtccgg ggttttaaaa aac

443

<210> 2105
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-060-Q1-E1-G4

<400> 2105

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cctattcaga gaaccttagc ttttgcctta gctcgcggga aaggcgaagc tgaaagtttc 120
agcagattgg aagccacctt tgggtgataat acctccacag aatgtacctg gagttttgac 180
tttccagatt ctaaagatgc tatgtctcat ctcaagtcag aagcagacct ctctggaagc 240
aatggggcca ataatgtggc tagtgttatc gaaaaactga atgctcttcg gtcacatctc 300
ttagcagcag agaaatggaa tgcttctcaa ctacattat gtgacaagta agtatctggg 360
aatgtgcaac anacttagtt cattatatgg ctttgagatc nctggacaat tgagcaactc 420
aacaagtcac cctagcctcc ncttggggcg gtcaagttaa gnnaagnaac antcctggga 480
tgttccccgc ccaacctta 499

<210> 2106
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-060-Q1-E1-H2

<400> 2106

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gattttgaac acccaaattc ctcatcgaat ttttcttgct caacgtatca tcgcacaatt 180
cgtctctcgt tttccgtcac gtggataatc gaaatctcat aatcccaaag gtaaaacaat 240
caattctggg attggaattt tggatccata ggatcgtaa ttgaaacaat cccgatggcg 300
ttatctatga agccattcag aagccgatga ttccggtttc cagtcaaaca atctttgggt 360

cggtagccta acgccggaga cgacagagtc agatctgacc gaagttgttt gggaagatac 420
 ggggatantg atangaatca cgggngtatt cctcacgaag gcttggcgtt taaanac 477

<210> 2107
 <211> 490
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-060-Q1-E1-H3

<400> 2107
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 tttccacgtc gatcctcccc tccgcattga ccctttcgat cttctcgccg gcgaggattt 180
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 cgactccgat ctcaagctacc gaaatagatt cctcctcaac catcctaccg atccaatcgg 300
 tctctctggt cttctgcttc ttcctcagtc cttcggagcg atctatctcg gagaaacatt 360
 ctgtagctat atcaagcgtc aacaatagtt ccacttcaga agttcgggat gttaccatta 420
 aaggaagaaa ttcagacaga gaaggcagag gantccaact tcnggatata tccaaagtca 480
 acctggttgg 490

<210> 2108
 <211> 488
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-060-Q1-E1-H4

<400> 2108
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 gtcgcaatgg tataaaggag acttgccttc agcatgcagc caggtatctc gcgaatcaag 180
 agtgggtaaa aactgactcc ctgaagacag ttgaaaacac agctatacca attatcatgc 240
 ttgttgtgga agtccttctgt gatctgatat gcagtataca gtcaccaaaa gatgggtccag 300

actgtatcac cggtgaccag gatagcaatg gtaacactga aatgggttga tttgaagact 360
 ctgcagcagc aaactcttgc caacaaacac tggaaacttg gcaattgcaa aatcctgtcc 420
 gtcttgacat caagtttcaa aactccaatc ccatacgggt cctcaaaaca acgccanttg 480
 gtccaaaa 488

<210> 2109
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-060-Q1-E1-H5
 <400> 2109

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 tctgcagcaa ttggactcag atctcgttct catgtcgttc tcgcttgtgt taacaaagct 180
 caatcggagc tttcttcgca tcagaggaag atctttaaag tcgatgacca tatcgggtgtt 240
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 attaatact ctttnactta tgagtctct cttccctgtt ggtccgtctc gttgttcaac 360
 cttgcctgat naagctcaag tcggtacca acga 394

<210> 2110
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB22-060-Q1-E1-H6
 <400> 2110

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 tcggaagctc tgcgagtgga gttgatatat gcagagatat agcgcagggtc gcgaaagaag 180
 tccacgtatc atctaagatc aacttcaccg gatacttacg agaagcttac cggttacgag 240
 aatctatggc ttcactcaac gattcaaatt gccgcgaag acggttcggt ggttttcgag 300